0048535

Meeting Minutes Transmittal/Approval
Tri-Party Agreement Milestone Review Meeting
EPA Conference Room
February 25, 1997

From/
Appvl.: Charles A. Hansen, RL
IAMIT Representative — Date: 3/25/97

Appvl.: Michael Wilson, Ecology
IAMIT Representative — Date: 3/25/97

Appvl.: Doug Sherwood, EPA
IAMIT Representative — Date: 3/25/97

Prepared by
Appvl.: W. Russ Brown
Fluor Daniel Hanford, Inc. — Date: 3/25/97

Distribution

Arnold, L. D.	FDH	B2-35	Innis, P	EPA	B5-01
Balone, S.	RL	H0-12*	Jackson, D. E.	RL	A5-15
Blazek, M. L.	ODOE		Jaraysi, M.	Ecology	B5-18
625 Marion N.E., Salem, OR	97310*		McBride, D.	BWHC	T5-54
Brown, W. R.	FDH	B2-35*	Miera, F. R.	RL	A5-15*
D. Dunning	ODOE		Morrison, R. D.	FDH	B2-35
625 Marion N.E., Salem, OR	97310*		Sanders, G. H.	RL	A5-15*
Ellis-Balone, G.	RL	A5-15	Selby, M. A.	Ecology	B5-18*
Evans, D.	RL	R3-79	Sherwood, D.	EPA	B5-01*
Hadley, K.	BWHC	R3-56*	Skinnarland, R.	Ecology	B5-18*
Hajner, R. S.	BHI	H0-11	Templeton, D.	RL	R3-79
Hansen, C. A.	RL	S7-41*	Wallace, J.	Ecology	B5-18
Harmon, M.	DOE-HQ	EM-40	Williams, J. D.	FDH	B2-35
Hensley, J	Ecology	B5-18	Wilson, M. A.	Ecology	B5-18*
Hughes, M. C.	BHI	H0-13	EDMC		H6-08*

* W/Attachments

MILSTN02.25

Meeting Minutes
TPA Milestone Review Meeting
EPA Conference Room
February 25, 1997

1. **TPA Quarterly Review**

Steve Balone, DOE-RL presenter went through a TPA Quarterly Review handout, explaining contents of each page (Attachment 1)

2. **Reactor Negotiations**

Reactor Negotiations now ongoing. Section 8 of the TPA is being discussed. Negotiations must be concluded by March 31, 1997.

3. **General Topics Discussed**

- Doug Sherwood requested understanding BHI schedules for producing EE/CAs, r.e. Demolition Projects for rest of FY 1997.

  Actionee: Mike Hughes, BHI

- Dennis Faulk wants to explain EPA's philosophy of D&D under CERCLA. No Meeting was scheduled.

- George Sanders suggested discussion of how EPA/Ecology view RCRA site cleanups within ER sites. Ron Skinnarland suggested a meeting of all affected parties.

- Dennis Faulk suggested discussing D&D projects and the DQO process.

- Doug Sherwood requested an explanation of S&M plans for reactors.

  Actionee: Mike Hughes, BHI

- Dennis Faulk asked Mike Hughes about what will be done in the future if asbestos is found in pipelines. Mike suggested a "Lessons Learned" workshop/meeting.

4. **Transition Projects**

Loren Rogers, DOE-RL discussed the Purex Stabilization Project (Attachment 2). Current staff count is 122. By next week, the staff count will be down to 96. By the end of FY 1997 the staff count should be approximately 62. Today Purex is at or under budget. How much money will be saved depends on how many people can be transferred to other projects.

5. **B-Plant Transition**

B-Plant Transition was discussed by Dave Evans (Attachment 3). Mike Wilson asked what occurred for deactivation of B Plant 211-B Area.

Action: **Dave Evans to get back with Mike Wilson about what are the costs associated with transfer of deactivation of B Plant 211 B Area to BHI.**

Moses Jaraysi - Waste Minimization Exercises should be highlighted in minutes for the B Plant Transition. 1500 chemicals were reduced down to 250 Chemicals. All were recycled, sold or otherwise minimized waste.

6. **324 Building**

Dave Langstaff gave the presentation on the 324 Building (Attachment 4).

7. **FFTF Presentation #1**

Al Farabee presented the FFTF presentation (Attachment 5). Moses Jaraysi asked about moving sodium from the 100 Area to the 200 Area, rather than the 300 Area.

8. **FFTF Presentation #2**

Al Farabee presented the second FFTF presentation (Attachment 6). Doug Sherwood asked about Deactivation money for FY 1997 and FY 1998. Does M-81 need to go away now? Farabee stated that none of the M-81 milestones are good anymore and only two of the M-82 milestones are any good.

Action: **Need conversation of strategy of M-81 and M-82 before a change request should be provided. Make/prepare presentation for IAMIT meeting when Ecology is ready.**

9. **PFP**

Dave Templeton, DOE-RL Program Manager presented the PFP presentation (Attachment 7). George Sanders says PFP AIP should be signed in a day or two. All parties agreed to 5 months to complete negotiations.

ATTENDEES

TPA MILESTONE REVIEW

DATE: 2-25-97

NAME	ORGANIZATION	MAILSTOP	(√) FOR ATTACHMENTS
DALE JACKSON	DOE-RL/EAP	A5-15	
MARY HARMON	DOE-HQ/EM		
Doug Sherwood	EPA	B5-01	✓
Gaylon Ellis-Balone	DOE-RL/EAP	H5-15	
James D. Adams	FDH/TPA II	B2-35	
R. SCOTT HAJNER	BHI		
Mike Hughes	BHI	H0-13	
Ron Skinnarland	ECOLOGY		✓
Mike Wilson	ECOLOGY		✓
STEVE BALONE	DOE-RL/AME		✓
DAVE EVANS	DOE-RL/TPD	R3-79	
PAM INNIS	EPA	B5-01	
Russ Brown	FDH-TPAI	B2-35	✓
George Sanders	DOE/EAP	A5-15	✓

ATTENDEES

TPA MILESTONE REVIEW

DATE: 2-25-97

NAME	ORGANIZATION	MAILSTOP	(√) FOR ATTACHMENTS
Felix Rivera	DOE/EAP	A5-15	✓
Charles Hansen	DOE RL	S7-41	✓
KARL HADLEY	BWHC	R3-56	✓
Jerry Hensley	WDOE	B5-18	
Moses Yaragi	Ecology	B5-18	
Joanne WALLACE	Ecology	B5-18	
Don McBRIDE	BHI NC - PFP	T5-54	
Dave Templeton	DOE-RL	R3-79	

AGENDA

TRI-PARTY AGREEMENT MAJOR MILESTONE MANAGEMENT REVIEW
(CHAIRPERSON: C. A. HANSEN)

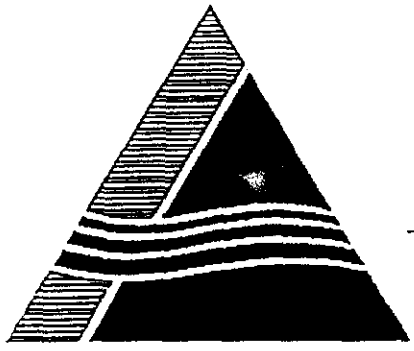
TUESDAY, FEBRUARY 25, 1997

3350 George Washington Way
(Bechtel Building) Room 1B02

TIME	MILESTONE	TITLE	RL DIVISION DIRECTOR	CONTRACTOR MANAGER	PRESENTER
9:00 am	M-13-00	Complete Remedial Investigation /Feasibility Study Submittals	R. A. Holten	T. M. Wintczak	R. A. Holten
	M-15-00	Remedial Investigation/ Feasibility Study Process Completion	R. A. Holten	T. M. Wintczak	R. A. Holten
	M-16-00	Complete Remedial Actions	R. A. Holten	T. M. Wintczak	R. A. Holten
10:00 am	M-80-00	Plutonium Uranium Extraction/ Uranium Trioxide Facility Transition	J. E. Mecca	R. W. Bailey L. J. Olguin	R. X. Gonzalez
	M-82-00	B-Plant Transition	J. E. Mecca	R. E. Heineman L. J. Olguin	D. T. Evans
	M-89-00	324 Building Closure of Mixed Waste Units	J. E. Mecca	G. O. Hayner L. J. Olguin	R. X. Gonzalez
	M-81-00	Fast Flux Test Facility Transition	J. E. Mecca	E. F. Loika L. J. Olguin	O. A. Farabee
	M-83-00	Plutonium Finishing Plant Facility Transition	J. E. Mecca	E. C. Vogt L. J. Olguin	R. X. Gonzalez

Richland Environmental Restoration Project

TPA Quarterly Review



Tri-Party Agreement

U.S. Department of Energy
U.S. Environmental Protection Agency
Washington State Department of Ecology

February 25, 1997

Tri-Party Agreement Quarterly Review

Environmental Restoration (Milestones: M-13, M-15, M-16, M-20)

A G E N D A

February 25, 1997 (9:00 a.m. to 10:00 a.m.)

Topics	Discussion Leader	Time
Program Assessment & TPA Milestone Overview	Rich Holten	9:00 AM
Progress / Lookahead.....	Rich Holten	9:30 AM

- 4th Qtr Accomplishments
- 120-Day Milestone Lookahead
- Significant Issues
- Cost & Schedule Performance & Variances (*By Exception*)

Special Topics ..... 9:45 AM

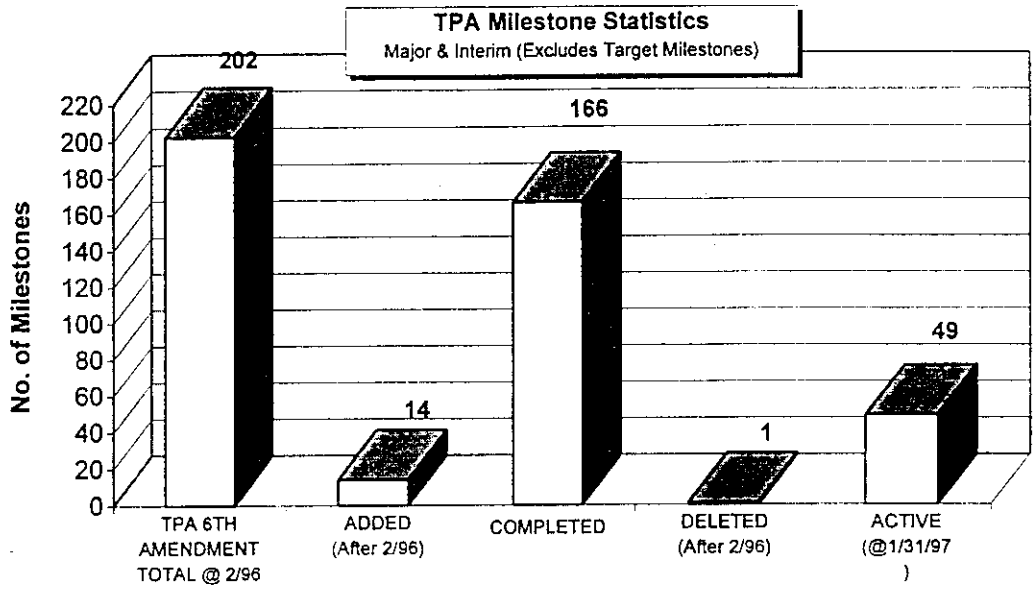
1

2

3

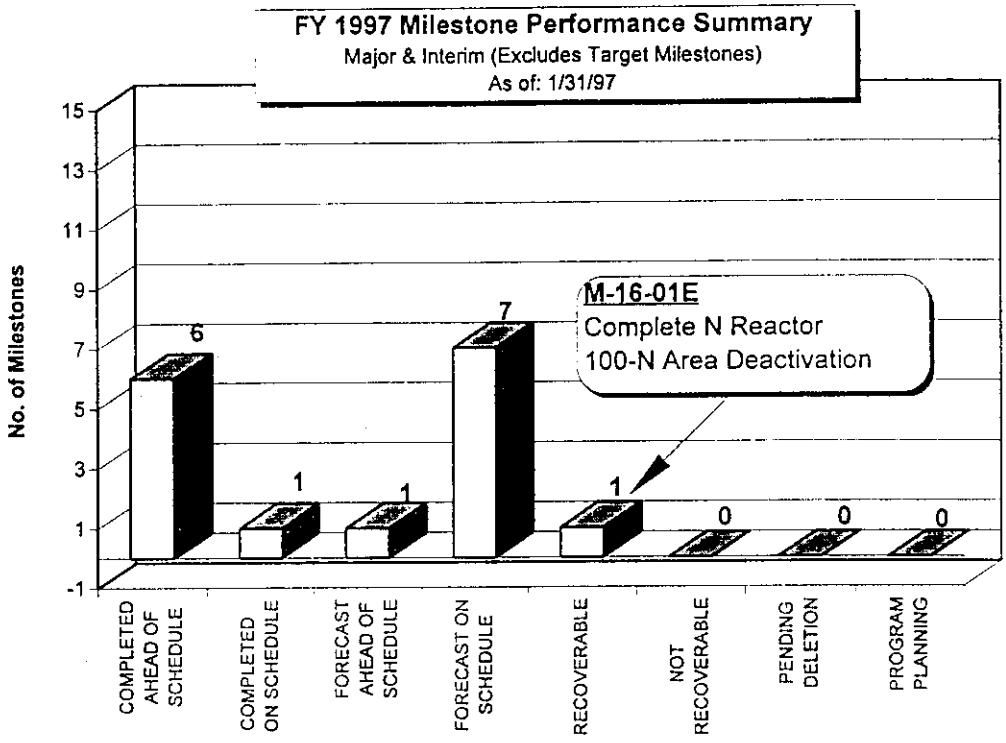
Table of Contents

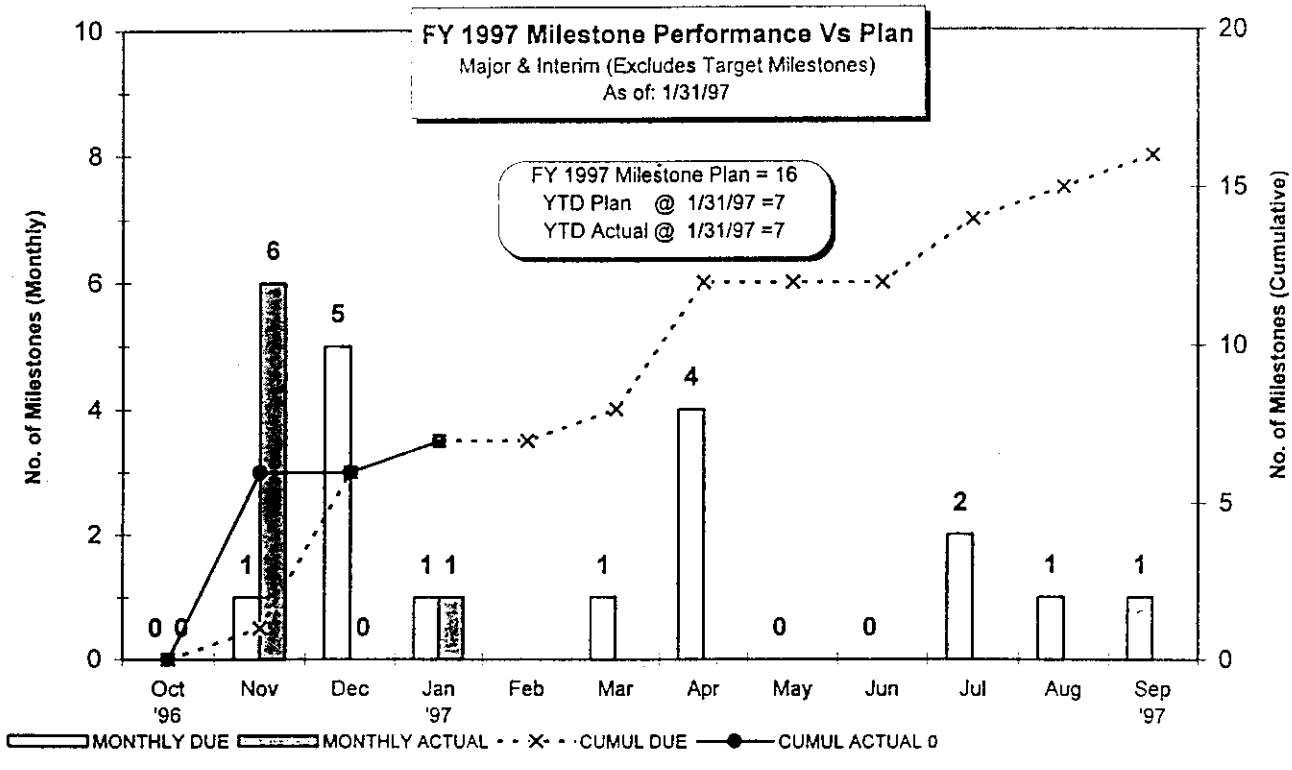
FY 1997 TPA Milestone Overview



TPA Milestone Statistics
Major & Interim (Excludes Target Milestones)

	Completion Date	Total @2/96	Added After 2/96	Completed @ 1/31/97	Deleted After 2/96	Active @ 1/31/97
M-13-00 Submit Workplans for RFI/CMS or RI/FS Studies	6/30/06 (M-13-00Q)	34	0	20	0	14
M-15-00 Site Investigations / Feasibility Studies	12/31/08 (M-15-00C)	84	2	76	0	10
M-16-00 Remedial Design / Remedial Action	9/30/18 (M-16-00)	20	12	15	1	16
M-20-00 Submit Closure Plans for All RCRA TSD Units	2/28/00 (M-20-00)	13	0	7	0	6
M-24-00 RCRA Groundwater Monitoring	12/31/99 (M-24-00K)	48	0	45	0	3
M-70-00 ERDF Operational	7/01/96A (M-70-00)	3	0	3	0	0
TOTAL		202	14	166	1	49


FY 1997 Milestone Performance Summary
Major & Interim (Excludes Target Milestones)
As of: 1/31/97
No. of Milestones
15
13
11
9
7
5
3
1
-1
6
1
1
7
1
0
0
0
M-16-01E
Complete N Reactor
100-N Area Deactivation
COMPLETED AHEAD OF SCHEDULE
COMPLETED ON SCHEDULE
FORECAST AHEAD OF SCHEDULE
FORECAST ON SCHEDULE
RECOVERABLE
NOT RECOVERABLE
PENDING DELETION
PROGRAM PLANNING


FY 1997 Milestone Performance Vs Plan
Major & Interim (Excludes Target Milestones)
As of: 1/31/97
FY 1997 Milestone Plan = 16
YTD Plan @ 1/31/97 =7
YTD Actual @ 1/31/97 =7
No. of Milestones (Monthly)
No. of Milestones (Cumulative)
10
8
6
4
2
0
20
15
10
5
0
0 0
1
6
5
0
1 1
1
4
0
0
2
1
1
Oct '96
Nov
Dec
Jan '97
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep '97
MONTHLY DUE
MONTHLY ACTUAL
CUMUL DUE
CUMUL ACTUAL 0

FY 1997 TPA Milestone Summary
(Excludes Target Milestones)

Item	FY96 Month	Milestone	Description	Due Date	Forecast Actual Date	Completed		Forecast Ahead Schedule	Forecast On Schedule	Recov-erable	UnRecov-erable	Pending Deletion	Program Planning
						Ahead Schedule	On Schedule						
1	Nov-96	M-15-12C	Submit 100-NR-1/NR-2 CMS to Ecology. The 100 NR-1/NR-2 CMS will address 100-N Area ground water and high and low priority waste sites	11/30/96	11/24/96A	X							
2	Dec-96	M-15-15E	Issue final draft 200-UP-2 for LFI	12/31/96	11/28/95A	X							
3		M-13-00J	Submit planning documentation necessary to complete the RI/FS process for 100-IU-2/100-IU-6	12/31/96	3/05/96A	X							
4		M-16-07A	Initiate Remedial Action for the 100-DR-1 OU	12/31/96	11/25/96A	X							
5		M-24-00H	Install RCRA Groundwater Monitoring Wells at the rate of 0 to 50 in CY 1996 (If Required)	12/31/96	11/14/96A	X							
6		M-24-35	Install One (1) additional RCRA Well at 216-A-136-1	12/31/96	11/14/96A	X							
7	Jan-97	M-16-06A	Submit the 100-HR-3/100-KR-4 Performance monitoring plan, Draft A as a primary document	1/31/97	1/29/97A		X						
8	Mar-97	M-15-12B	Submit Closure Plan/CMS for 1301-N/1325-N, 1324-N and 1324-NA Cribs. CMS to include Closure/Post Closure IRM Proposed Plan. RCRA Permit Mod and work schedules for the Cribs.	3/31/97	2/25/97F			X					
9	Apr-97	M-15-80	Submit a draft interim report for the Columbia River Comprehensive Impact Assessment (CRCIA)	4/30/97	4/30/97F				X				
10		M-15-36	Restart the 200-ZP-2 Vapor Extraction System (VES).	4/30/97	4/30/97F				X				
11		M-15-80A	RL is to provide a list of comprehensive work scope tasks to develop and prioritize in coordination with CRCIA team (not based on funding)	4/30/97	4/30/97F				X				
12		M-16-01A	Submit Draft 100-N Area Ancillary Facility Decommissioning EE/CA	4/30/97	4/30/97F				X				
13	Jul-97	M-16-06B	Begin systems operation of 100-HR-3 OU	7/1/97	7/01/97F				X				
14		M-15-80B	RL is to provide a recommendation for follow-on work to M-15-80, primarily based on M-15-80A	7/31/97	7/31/97F				X				
15	Aug-97	M-16-04B	Complete the 300 - 500 gpm system upgrade (Phase III) for 200-ZP-1 OU	8/31/97	8/31/97F				X				
16	Sep-97	M-16-01E	Complete N Reactor/100-N Area Deactivation pursuant to the work scope identified in the N Reactor Deactivation Plan, Rev. 4, WHC-SP-0615, Dec. 1993	9/30/97	10/29/97F					X			
FY 1997 Total TPA Milestones						6	1	1	7	1	0	0	0

This Quarter's TPA Change Requests (October - December 1996)

M-15-96-12
200-ZP-1 OU

Change Request M-15-96-02 created one (1) new Tri-Party Agreement Milestone.

M-15-36 Restart the 200-ZP-2 OU Vapor Extraction System (VES) 4/30/97.

M-16-96-13
100 Area
Groundwater

Change Request M-15-96-13 Revised the due dates of four (4) **CRCIA** Tri-Party Agreement Milestones.

M-15-80 Submit for review a draft interim report (considered an initial "Screening Assessment Report for the Columbia River Comprehensive Impact Assessment"
Existing Due Date: December 19, 1996
Revised Due Date April 30, 1997

M-15-80-T01 Submit a revised report of the draft from M-15-80 which incorporates responses to comments from the CRCIA Team Peer Reviewers and the Public.
Existing Target Date of April 30, 1997
Revised Due Date: September 30, 1997

M-15-80A DOE-RL is to provide a list of comprehensive work scope tasks developed and prioritized in coordination with the CRCIA Team (Not based on funding)
Existing Due Date of February 28, 1997
Revised Due date of: April 30, 1997

M-15-80B DOE-RL is to provide a recommendationt for follow-on work to M-15-80 primarily based on M-15-80A, as well as funding considerations, overall Sitewide objectives and TPA authority. This will include future milestones
Existing Due Date: June 30, 1997
Revised Due Date: July 31, 1997

M-16-96-07
100 N Area

Change Request M-16-96-07 changed the scope description of M-16-01A from: Submit necessary 100-N Area D&D, NEPA documentation for public review to: Submit draft 100-N Area Ancillary facilities Decommissioning EE/CA. Due 4/30/97.

Deleted TPA Milestone M-16-01B.

This Quarters Accomplishments (October - December 1996)

M-16-07A

- Initiate Remedial Action for **100-DR-1** by December 31, 1996 was initiated on November 25, 1996 five weeks ahead of schedule

M- 13-00J

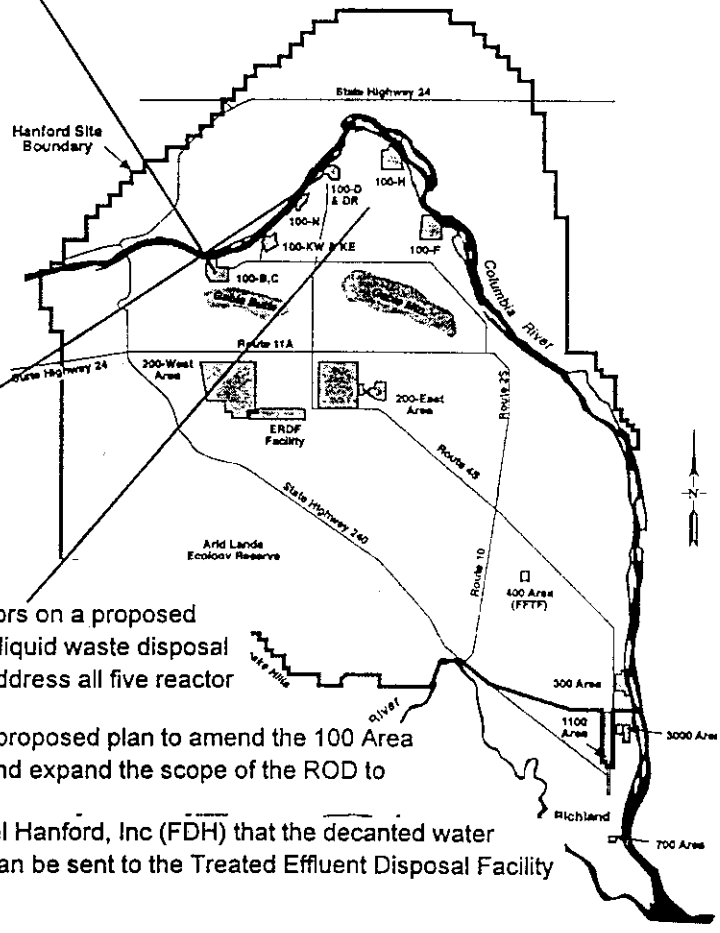
- Submit planning documentation necessary to complete the RI/FS process for 100-IU2/100-IU-6 was completed by the submittal of a "**Focus Package**" in March 1996.

B/C - 1

- 15,200 tons of waste were excavated from the **116-C-1** trench and the **116-C-5** retention basin. The baseline footprint excavation of the 116-C-1 was completed

DR-1

- Issued Remedial Action contract was issued to RCI International on October 4, 1996.
- The ERC remedial action team moved to the 100-D Area on October 9, 1996
- Development of the analytical system to support remediation was concluded with a presentation to representatives from Ecology, who concurred with the ERC approach
- 3,879 tons of waste were excavated from DR-1/2 liquid waste trenches. 4,166 tons



100 Area Common

- An agreement was reached with the regulators on a proposed plan to amend the 100 Area ROD to add 34 liquid waste disposal sites and expand the scope of the ROD to address all five reactor areas
- A public comment period was initiated on a proposed plan to amend the 100 Area ROD to add 34 liquid waste disposal sites and expand the scope of the ROD to address all five reactor areas
- ERC received confirmation from Fluor Daniel Hanford, Inc (FDH) that the decanted water from 300 Area investigation derived waste can be sent to the Treated Effluent Disposal Facility

Technologies/Innovations and Cost Savings:

- The planned work for the field demonstrating of the 3-D ground penetrating radar (imaging system) is undergoing re-baselining following the decision to delay task initiation on the 300-FF-1 OU until late summer (1997). Preliminary discussions were held with ERC task representatives to allow early access to the 618-4 burial ground site during April or May 1997. Considering safety issued, technology planning requirements, and the critical path issue for the imaging system, it was determined that the technology demonstration would be delayed until the June-July 1997 time period.

This Quarters Accomplishments (October - December 1996)

M-15-15E

Issue Final draft for 200-UP-1 Limited Field Investigation (LFI) was submitted 11/95 one year before it was due

200 Area

- A final draft of the Waste Site Grouping for the 200 Areas Soil Investigation Report has been provided to RL, Ecology, and will be issued as Rev. 0 in January
- Work on prototype barrier irrigation, vegetation monitoring is ongoing. The scope for the asphalt testing is deferred to FY 1998 due to reduced funding

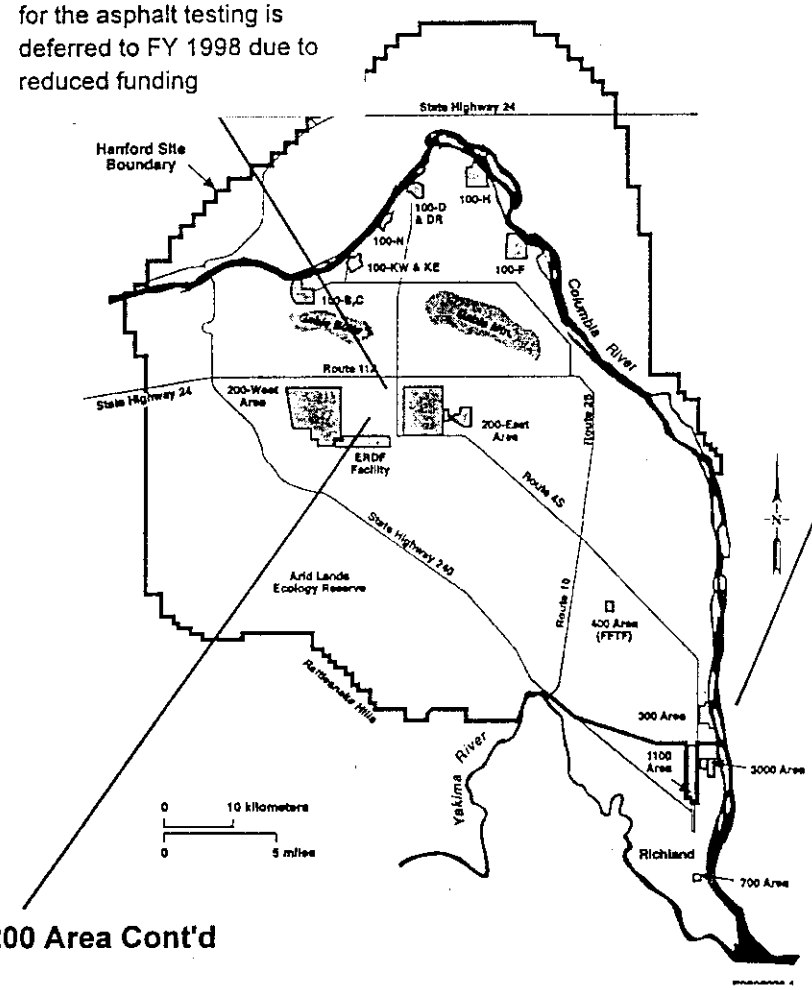
300 Area

FF-1

- A request to bidders for a best revised offer for the 300-FF-1 RA contract was issued on December 13. Bids are due on January 16, 1997
- A RFP was issued to six biders soliciting an independent registered professional engineer to certify closure of the 300 Area process trenches
- Three bids for the independent closure certification subcontract on the 300 Area process trenches were received on December 9. A technical evaluation is in process

FF-2

- Comment dispositions and a draft version of the LFI were provided to EPA/Ecology on December 9, 1996
- Radiological analytical results from the sampling of well 699-S6-E4A were received on November 8, 1996



200 Area Cont'd

- A draft TPA change request to incorporate the 200 Areas strategy into the TPA is being formalized by the 200 Areas strategy team.
- A pre-DQO session was held with RL and Ecology on the 216-A-29 ditch characterization effort as part of Tank Waste Remediation System (TWRS) privatization activities. The DQO session has been scheduled for mid-January 1997
- A tour of the 200 Areas with the Hanford Advisory Board (HAB) ER Subcommittee, and the Health, Safety, and Waste Management Subcommittee, was conducted. HAB members were pleased with the tour.

This Quarters Accomplishments (October - December 1996)

100 Area

KR-4/HR-3

- Borehole Summary Report (Rev. 0) was completed
- ***Mitigation Action Plan*** (Rev. 0), was forwarded to RL on December 3, 1996
- Rev. 0, ***Site-Specific Waste Management Instruction*** for **KR-4** was transmitted to RL and signed
- Updates were made to the KR-4 sampling documents on a National Priorities List (NPL) Agreement/Change Control Form on **"Modification to the Groundwater Sampling and Analysis Schedules"** for the KR-4 OU Groundwater Sampling Project
- Round 10 annual sampling activities were completed for KR-4 OU
- Round 2 baseline sampling was finished for HR-3 OU

200 West

UP-1

- Treated 4 Mil gal with 33 Mil gal to date with removal of approximately 97 lbs of Uranium, 79 lbs. of Technetium and 22 lbs of Carbon Tetrachloride
- Phase 1 system has operated at approximately 98% availability

ZP-1

- **Phase II** has processed 20.2 Mil. gallons removing 441 lbs of Carbon Tetrachloride to-date

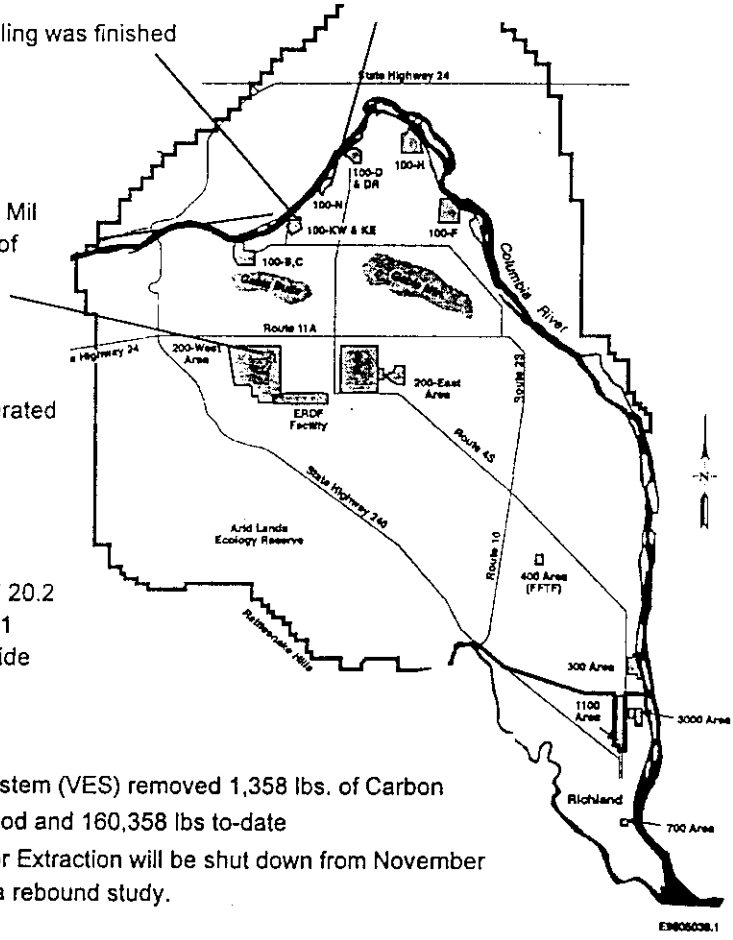
ZP-2

- Soil Vapor Extraction System (VES) removed 1,358 lbs. of Carbon Tetrachloride for the period and 160,358 lbs to-date
- The 200-ZP-2 Soil Vapor Extraction will be shut down from November to February to conduct a rebound study.

100 NR-1/2

M-15-12C

- The 100-NR-1/NR-2 Corrective Measure Study (**CMS**) was transmitted to RL on December 19, 1996
- Proposed Consolidated Groundwater Monitoring Program (Rev. 0), was completed
- A reassessment of the industrial hazard classification of the facility was completed. The increase in strontium loading of the ion exchange columns during the effectiveness testing does not impact the hazard classification at the pump and treat, and it will remain an "**industrial facility**"



Site-Wide Groundwater Monitoring

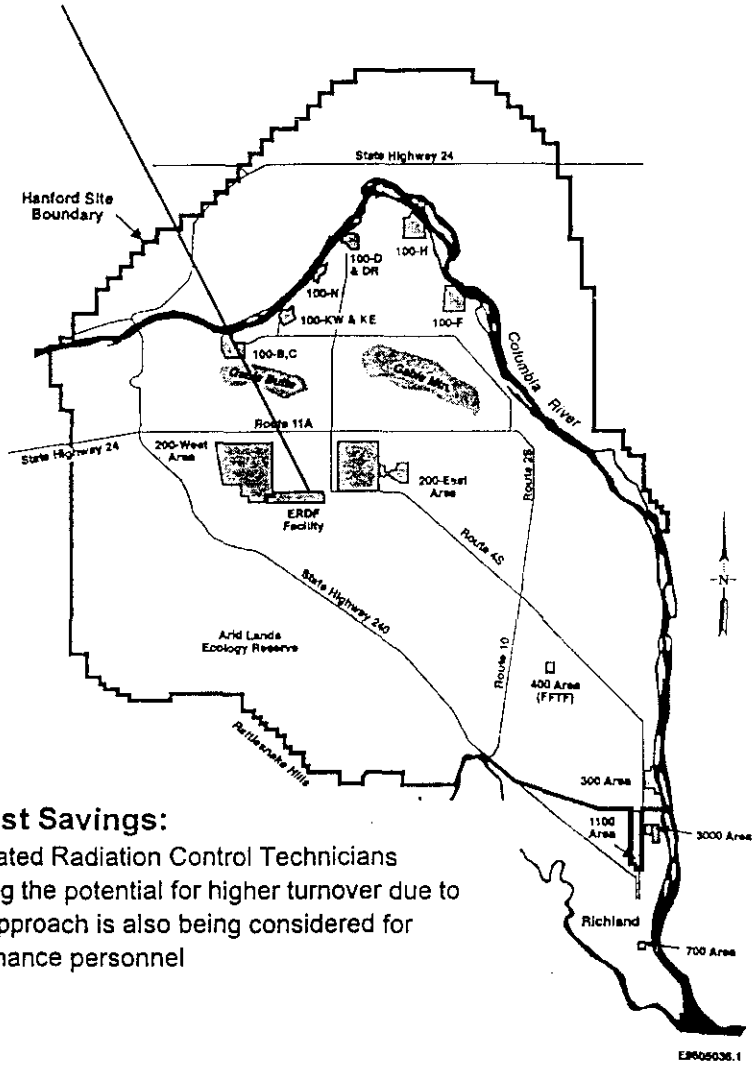
- Columbia River Comprehensive Impact Assessment (CRCIA): A TPA milestone Change Request was prepared, agreed-to by the three agencies and the CRCIA Team, and approved. This change delays submittal of the draft final report, TPA Milestone **M-15-80**, from December 19, 1996 to April 30, 1997. The document will undergo an additional internal review as a result of concerns raised during the original internal review. The final report, TPA Target Milestone M-15-80-T01, has subsequently shifted from April 30, 1997 to September 30, 1997. The estimated cost associated with this delay is approximately $250K.

Operations:

- Received 60,023 tons of waste from the 100 B/C and 100 DR Areas during the quarter bringing the to-date receipts to 97,254 tons or approximately 70,000 loose cubic yards to-date
- Waste disposal efforts were hampered in December by inclement weather conditions
- Work on the ERDF access road paving was completed in November, except for the shoulders and road signs, which are on hold due to bad weather

Transportation:

- **RCI Environmental, Inc.** transported waste from **116-C-1, 116-C-5, 116-B-4, B/C Riverlines, 116-DR-1** and **116-DR-2** waste sites



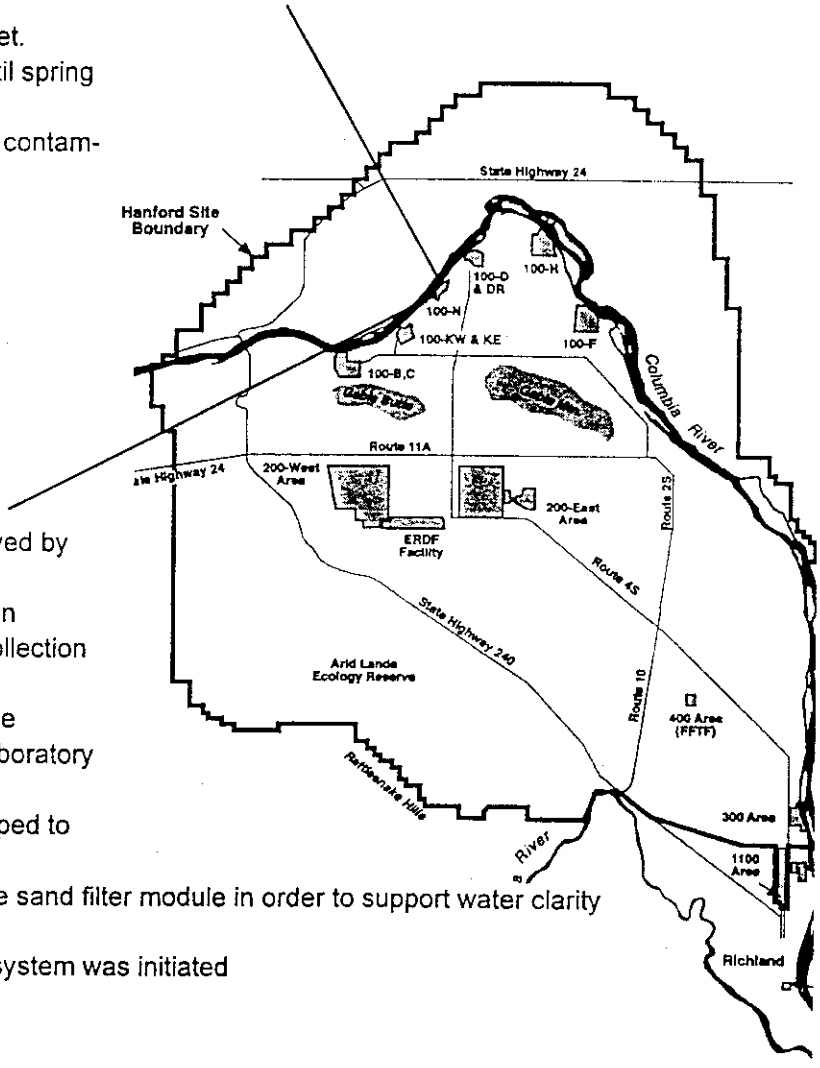
Technology Innovations/Cost Savings:

- The ERDF project secured dedicated Radiation Control Technicians for operations, thereby, eliminating the potential for higher turnover due to bumping within the union. This approach is also being considered for HAMTC truck drivers and maintenance personnel

This Quarters Accomplishments
(October - December 1996)

N Deactivation

- Phase 1 deactivation was completed for five rooms in 105-N
- As of December 27, 68 of the 126 rooms in the **105-N** have been completed through Phase 3 deactivation
- 20 burial boxes were shipped to the ERDF
- The walkdown and structural analysis were completed for the **151-N** , electrical substation, roof. No repairs are needed
- Design support was completed for **105-N** fire protection
- Re-insulation of the clear well pump #3 discharge line was completed
- To-date sediment removal from the **EDB** is approximately 3,214 cubic feet out of an estimated total volume of 4,700 cubic feet. Sediment work has been suspended until spring 1997
- 6,839 hours were worked without a skin contamination



N Basin Activities

- The **"Authorization Basis"** was approved by RL (J. Wagoner) on December 18th
- HERH metal sorting and collection began
- Fabrication of the dose rate sediment collection tool was completed
- Dose rate sampling was completed in the segregation and view pit in support of laboratory negotiations
- Six of 14 monoliths have now been shipped to ERDF for disposal
- The purchase order was awarded for the sand filter module in order to support water clarity efforts
- Installation of the final transfer filtration system was initiated
- Second shift activities resumed

This Quarters Accomplishments (September - December 1996)

Demolition Projects

190-C Building/105-C Water Tunnels

- The 90-day storage pad contingency plan, training plan, and inspection plan were prepared in support of hazardous oil removal activities
- RL conducted an assessment of asbestos removal activities and was very pleased with the conditions found. There were no findings
- Project activities are proceeding in accordance with the ISP, the project schedule, and within the associated budget

187-C Valve Pits

- The valve pits were sampled for any potential hazards, as well as radiological materials. The samples are currently being analyzed, with D&D efforts will commence thereafter

118-C Rod Cave

- A preliminary DQO meeting is scheduled for the week of January 13, 1997

200 Area Canyon Strategy

- A briefing was presented to a Yakama Indian Nation representative
- A video tape was produced inside of U Plant to assist in alternate analysis

108-F Biology Lab

- The schedule to incorporate CERCLA requirements was revised, and a BCP was drafted for schedule/scope changes

RCRA Closures

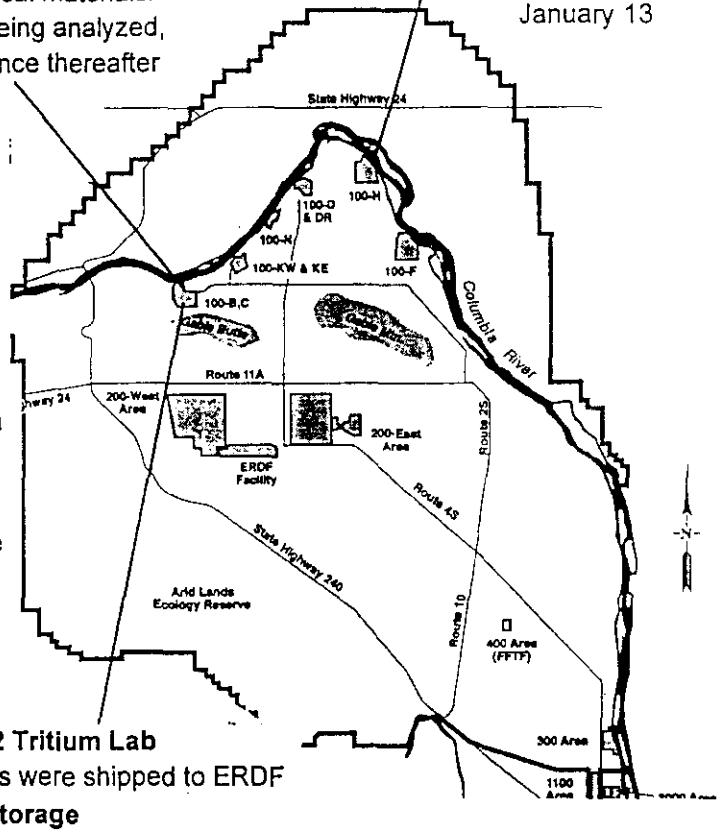
183 H Solar Evaporation Basins

- The action memorandum for disposal of the stockpiled contaminated soils and concrete in ERDF was signed by the Tri-Parties

Demolition Projects Cont'd

111-B Decon Station Waste Tanks

- A preliminary DQO meeting for the tanks is scheduled for the week of January 13



104-B-1 Tritium Vault/104-B-2 Tritium Lab

- Low level waste burial boxes were shipped to ERDF

105-C Reactor Interim Safe Storage

- Asbestos abatement was completed at the west side of the reactor front face (310 ft^3) and north corridor #3 though 6 areas (952 ft^3). 95% of the fan room negative enclosure setup was completed
- Subcontract activities were initiated for the installation of the site trailer complex electrical and mechanical systems
- Radiation surveys of facility roof areas were completed to address concerns with casual water intrusion into the building. This minimized contaminated area concerns and impacts to abatement activities in the building

Small Buildings (103-B, 1701-BA, 1714-C, 119B, 1702-C)

- Demolished 103-B, 1714-C and 1701-BA buildings two months ahead of schedule
- The final reports for 103-B and 1714-C are being written
- The assessments on 119-B and 1702-C are complete, and the paperwork to proceed with demo is nearing completion

This Quarters Accomplishments (October - December 1996)

RARA Interim Stabilization

- Routine waste site maintenance continued
- The cultural resource review was completed for **Gable Mountain** pond extension stabilization.
- Revegetation was completed for the **218-W-3** burial grounds
- The *Plant Forces Work Review (PFWR)* was submitted for interim stabilization of **216-A-25**

RARA Surveillance and Inspections

- The *RARA FY 1996 Summary Report* was issued
- The semi-annual load testing of selected burial grounds was completed, with no adverse conditions observed
- The radiological survey continued for the 12.5 square miles south of the B/C Control Area
- All scheduled routine inspections were completed ahead of schedule along with the tumbleweed removal effort
- Monthly inspections of the RMA's were completed, with no problems noted

Asbestos Conversion Unit

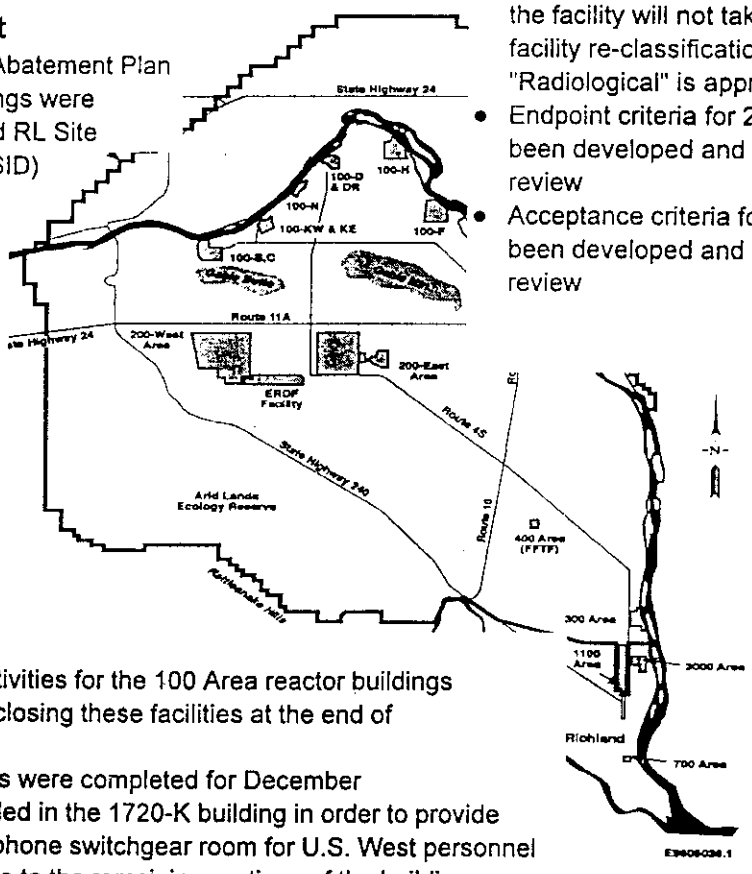
- Utilities were returned and the site was restored to pre-conversion condition. The 4722-B building was returned to the owner; all ERC equipment/materials were removed from the site; the final performance report was issued to RL/EM-50

Facility Transition

- **PUREX** end point verification is 53% complete. The 308 bldg is 100% and is ready for transfer to EM-40. The *Final Hazards Classification* was prepared for submittal to RL in early October. The outcome of analysis supports a downgrade to "Radiological" for this facility. Agreement was reached with RL that actual transfer of the facility will not take place until the facility re-classification to "Radiological" is approved by RL
- Endpoint criteria for 242-T facility have been developed and submitted for ERC review
- Acceptance criteria for 324-S have been developed and submitted for review

Asbestos Abatement

- Hanford Site Asbestos Abatement Plan (PLAN) transition meetings were completed with FDH and RL Site Infrastructure Division (SID) representatives
- Draft Memorandum of Understanding (MOU) was completed. The MOU will officially trans fer the asbestos **PLAN** into the RL-SID area of responsibility



Inactive Facilities S&M

- Annual maintenance activities for the 100 Area reactor buildings continued, in support of closing these facilities at the end of January
- All winterization activities were completed for December
- Barrier walls were installed in the 1720-K building in order to provide access route to the telephone switchgear room for U.S. West personnel without allowing entrance to the remaining portions of the building
- Preparation began for the RFP for an Auditable Safety Analysis (ASA) for the N Basin/202S (REDOX) and U Plant facilities.
- Contracts were awarded for N Basin/202-S (REDOX) and the U Plant Auditable Safety Analysis (ASA), and work was released to the pre-selected subcontractor for the 224-B ASA. These actions have been taken in response to a letter from RL
- A scoping study for REDOX seismic analysis began, with completion expected in approximately one month
- Remote monitoring installation continued in the REDOX (202-S) and U Plant canyon buildings

This Quarters Accomplishments (October - December 1996)

Technology Applications

- High priority technology needs were approved by the STCG Management Council
- Seven technologies were identified and evaluated for potential application. The Technologies retained for further evaluation include the following:
  - Soil Technology Inc., enhanced soil washing (RA)
  - Resonant sonics treatment (RA)

Design Engineering

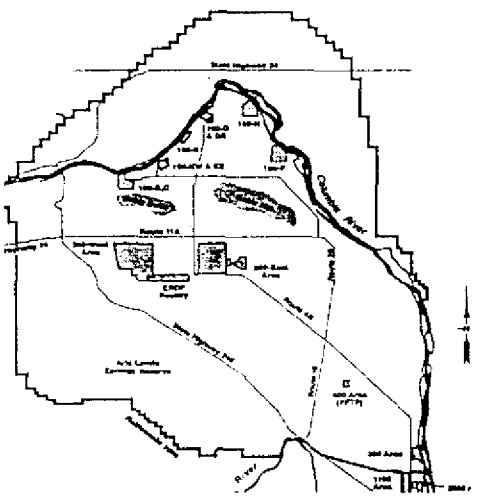
- Verbal concurrence was received from HQ that S&M activities may be regulated under CERCLA consent agreements. BHI presented to the RL-AME on the S&M to be performed under CERCLA regulations. The proposal was accepted in principle for its efforts to streamline regulatory requirements
- An annotated outline for an ASA for above-grade facilities was submitted to RL for review and approval

Automation Technology

- A schedule was established for turnover of the new Oracle-based system to Project Controls during January 1997, including training on the use of a new reporting tool (Crystal Reports)
- A review of the workstation software configuration and installation procedure was performed. Recommendations are being implemented

Environmental Technologies

- *Natural Resources & Risk Assessment*
  - A briefing was presented on the Historic Buildings Programmatic Agreement to the HAB
  - The Revegetation Manual for the Environmental Restoration Contractor was completed on schedule within budget
- *Site Investigations*
  - Reviews were provided for the Hanford Soil Background Report
  - Soil groundwater background information was cataloged
- *Sample & Data Management*
  - Completed Waste Information Data System package reviews on schedule
  - Version 3.2 of the sample data tracking system was released
  - Support was provided for an audit of the field analytical sampling team



Safety and Health (S&H)

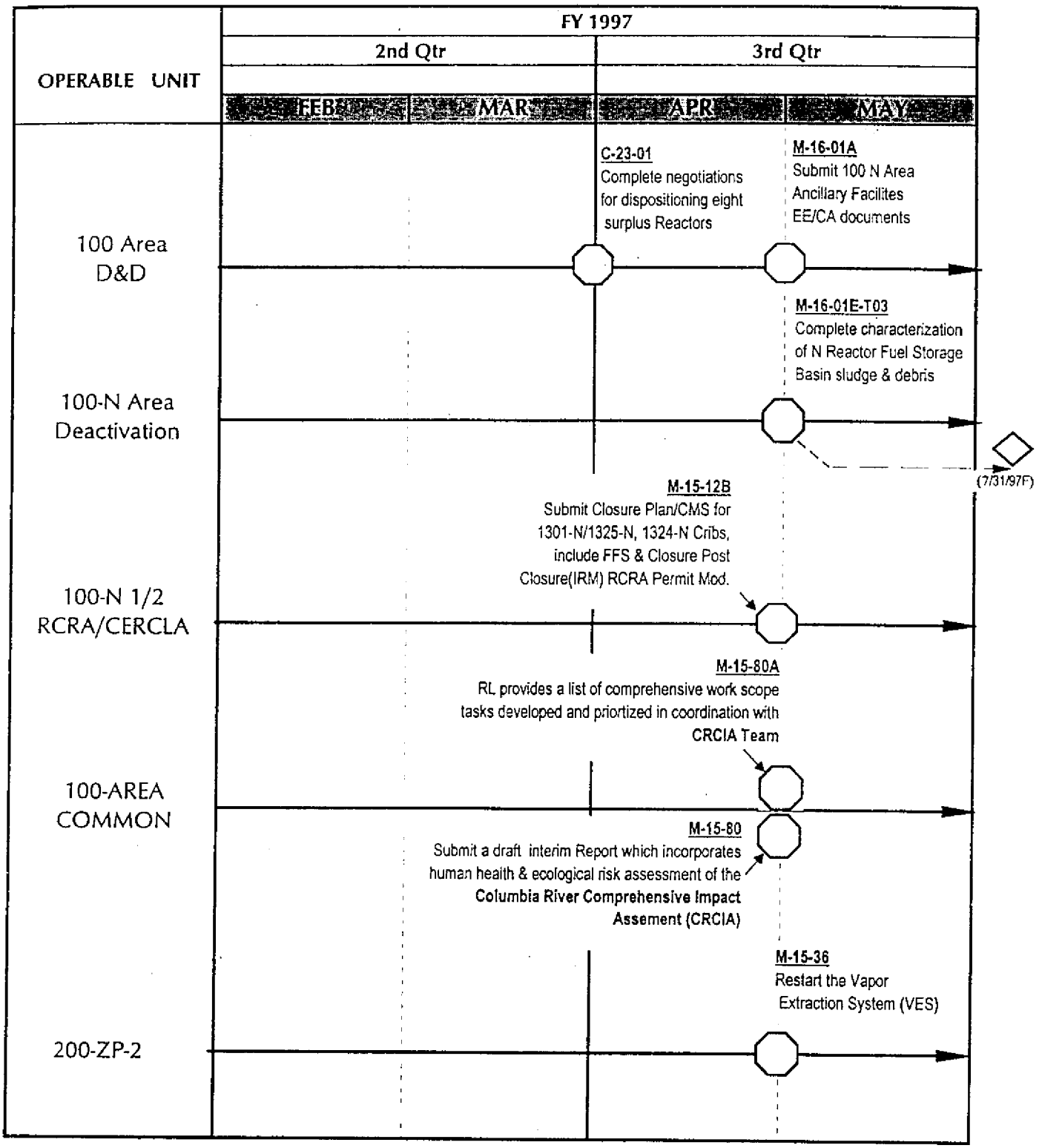
- The 105-C Electrical Hazard Identification Plan was developed with input from site employees, electricians, site electrical engineers, and field engineers
- The security vulnerability assessment of the retired reactors is ongoing. It is not expected to result in any identified vulnerabilities

Project Support Activities

- Project Controls

- Draft B of the ***Long Range Plan*** (LRP) was issued
- Forecasts were prepared for all of the ADS 3400 control accounts to determine if any funding could be released to other projects. As of the end of December, approximately $450,000 has been released due to lower estimates at completion
- Ongoing support was provided for the ***Ten-Year Plan*** development and integrated priority list process
- Ongoing support was provided to FDH for site-wide integrated schedule development
- The BCP's identifying the reduced scope of work and other savings for FY 1997 were written and implemented in the cost system for monitoring. Changes and reductions were also processed for the distributable accounts. These reductions reflected agreements reached following several budget meetings with RL and Regulators

Milestones - 120 Day Lookahead
(March - June 1997)



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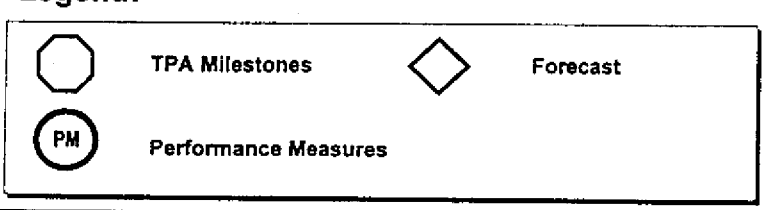

Issues

Issue	Impact	Corrective Actions
Waste Disposal ♦ Communications with EPA and Ecology indicate they may not fully concur with RL's plan to obtain CERCLA decision documents for the remaining 100 Area waste sites. ♦ An agreement was reached on a remedy selection process of 300 miscelaneous sites, however no agreement was reached on the burial grounds	♦ EPA and Ecology have deferred their review of recent submittals, pending discussions of an overall strategy. The 100 Area assessment activities are on hold until an agreement has been reached. ♦ The remaining sites scope as outlined in the Multi-Year Work Plan (MYWP) will need to be completely revised..	♦ ERC is assisting RL in developing a strategy to obtain decision documents for all remaining 100 Area waste sites, while deferring any additional data gathering to the remedial design phase. ♦ A draft Baseline Change Proposal (BCP) has been prepared.
♦ Considerable amounts of contaminated soil and asbestos-containing mastic wrap were discovered around the **B/C pipelines** ♦ Baseline contains no allowance for contaminated soil due to lack of characterization data.	♦ Additional subcontractor quantities and costs. ♦ Delays in excavation of the plume to the north of 116-C-1 trench which will also delay the backfill of the 116-C-1 trench for several additional months.	♦ The additional contaminated soils are being excavated and shipped using the subcontract unit rate planned for this type of contingency. ♦ A subcontract change order is being prepared to address removal and handling of this asbestos containing material on the pipes.
CMS for 100-NR-1/2 OU ♦ Ecology has provided informal comments to RL to change the groundwater RA objectives from final to interim. ♦ Additionally, Ecology has proposed adding the Columbia River shoreline as a distinct source site in the CMS.	♦ Comments on production of the final document (Rev. 0) is being evaluated. ♦ This is a scope change from the MYWP	♦ A revised document schedule will be available on January 9, 1997. ♦ A BCP is being prepared
♦ The current funding level for the 200 Area source effort remediation does not support TPA Milestones.	♦ The Waste Site Grouping Report review by EPA is proceeding behind schedule and the TPA change package cannot be finalized until the funding level for 200 Areas is reconciled with the TPA milestones.	♦ ERC and RL management are working with Regulators to establish an implementation plan for the 200 Area Strategy and adjust TPA milestones based on the implementation plan.

Issues

Issue	Impact	Corrective Actions
Columbia River Comprehensive Impact Assessment (CRCIA) ♦ The CRCIA follow-on work scope proposal is not compatible with budget constraints	♦ To be determined	♦ The ERC will work to build a consensus "bottoms up" approach for proceeding in accordance with HAB guidance on CRCIA follow on work
Facility Transition ♦ Comments on PUREX basis for interim operation were submitted to RL	♦ To be determined	♦ A meeting is scheduled for January to resolve issues. The Necessary and Sufficient Process is proceeding, although the Regulators are not enthusiastic about the value added of the activity
N Deactivation Project ♦ The Sampling analysis time frame may result in further delays to the project.	♦ TPA milestone (**M-16-01E**) for the completion of N Deactivation at risk of being missed	♦ Corrective actions taken by ERC include (1) early dose sampling to identify which laboratory will perform the analysis; and (2) negotiations with the laboratory for overtime premiums and additional analysis personnel.

Issues

Issue	Impact	Corrective Actions
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Work Breakdown Structure

(For Performance Graphs)

Remedial Actions / ERDF

ADS - 3100	100 - DR Operable Unit
ADS - 3100	100 - BC Operable Unit
ADS - 3100	100 - KR Operable Unit
ADS - 3100	100 - FR Operable Unit
ADS - 3100	100 - HR Operable Unit
ADS - 3200	200 - BP Operable Unit
ADS - 3200	200 - UP Operable Unit
ADS - 3300	300 - FF Operable Unit
ADS - 3390	1100 - EM Operable Unit
ADS - 3700	ER Disposal Facility

Ground Water Management

ADS - 3110	100 - BC Operable Unit
ADS - 3110	100 - KR Operable Unit
ADS - 3110	100 - FR Operable Unit
ADS - 3110	100 - HR Operable Unit
ADS - 3115	Site Groundwater Monitoring
ADS - 3125	100 - NR (N-Springs)
ADS - 3210	200 - BP Operable Unit
ADS - 3210	200 - PO Operable Unit
ADS - 3210	200 - UP Operable Unit
ADS - 3210	200 - ZP Operable Unit

N Area Deactivation Project

ADS - 3600	N Area Deactivation Project

N Basin Cleanout

ADS - 3600	N Basin Cleanout Project

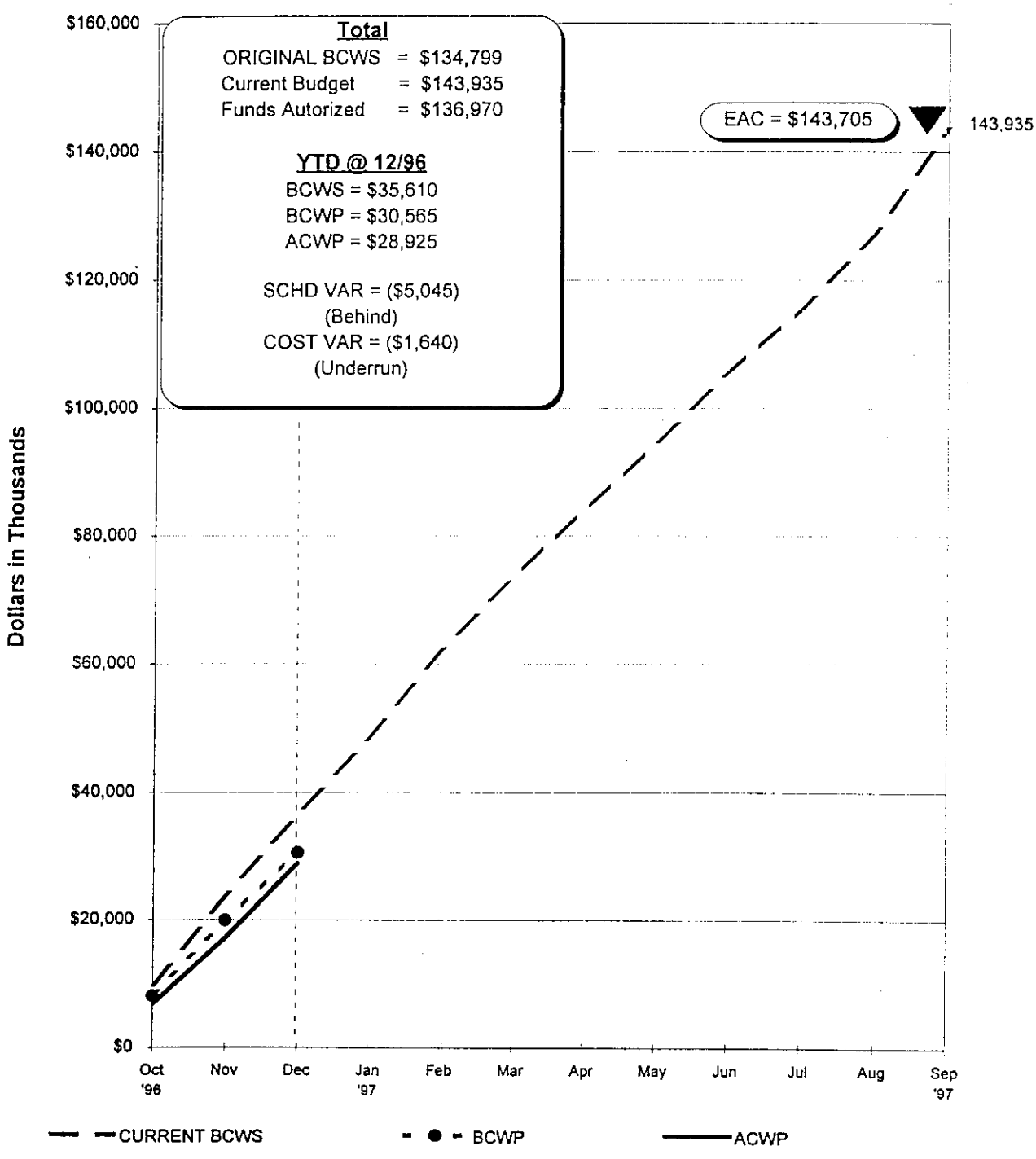
D & D

ADS - 3020	RCRA Closures
ADS - 3500	RARA / USTs/S&M
ADS - 3510	Asbestos Abatement
ADS - 3510	100 Area D&D
ADS - 3510	200 Area D&D
ADS - 3800	Post Remediation S&M

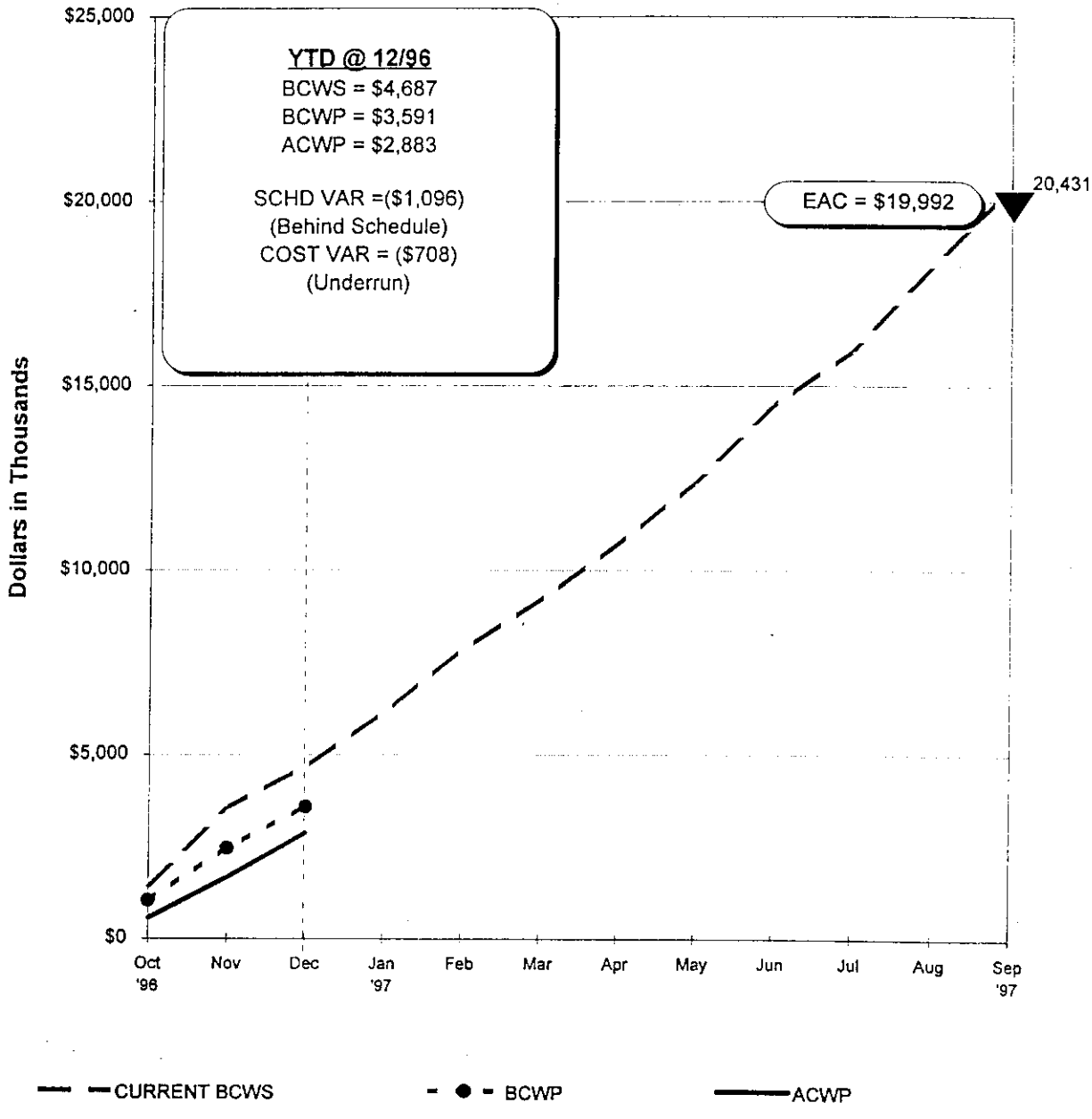
Support Projects

ADS - 3400	Program Support - BHI
ADS - 3410	Program Support - RL, USACE, PNL

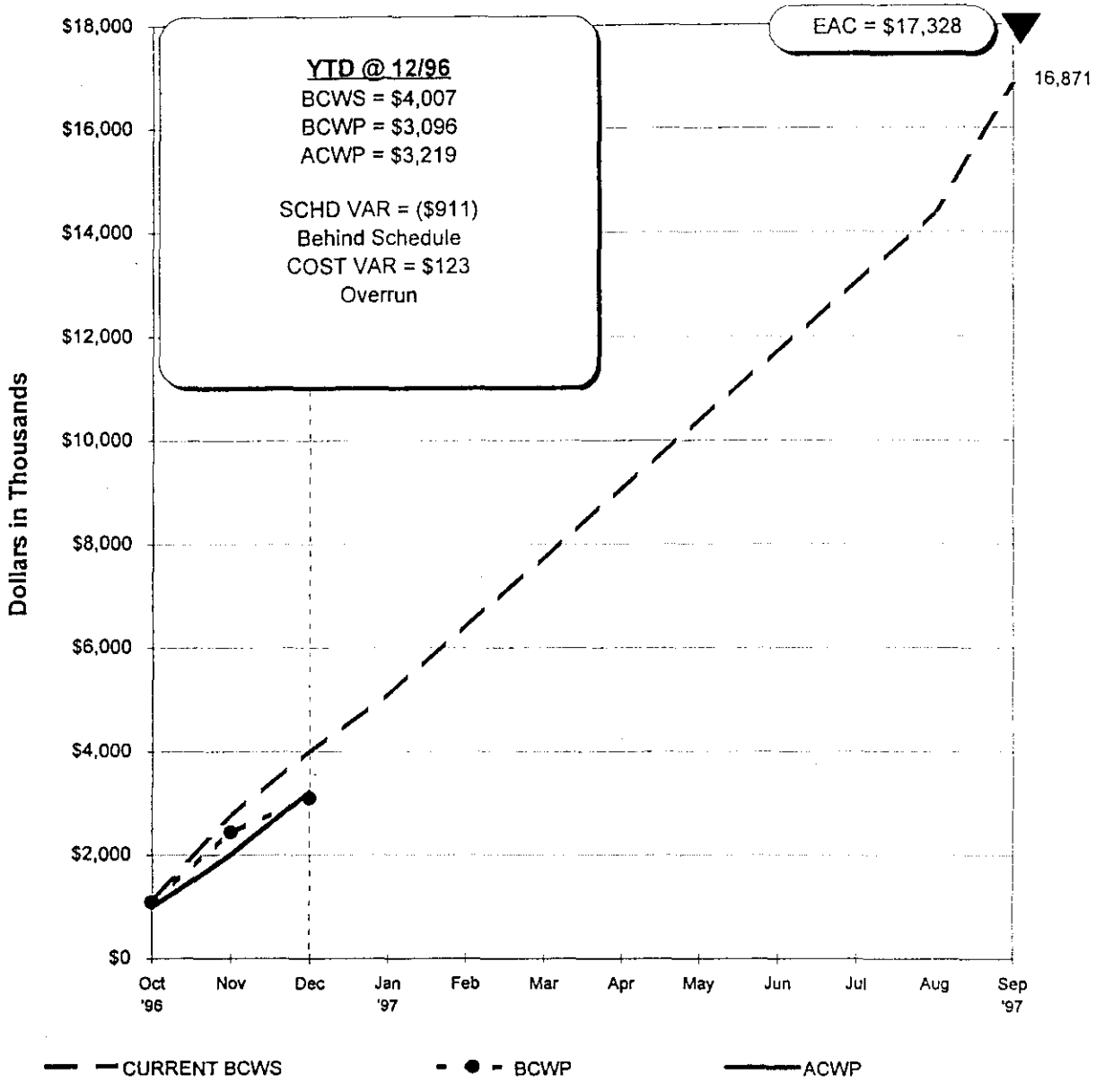
FY 1997 Total ER Performance Summary



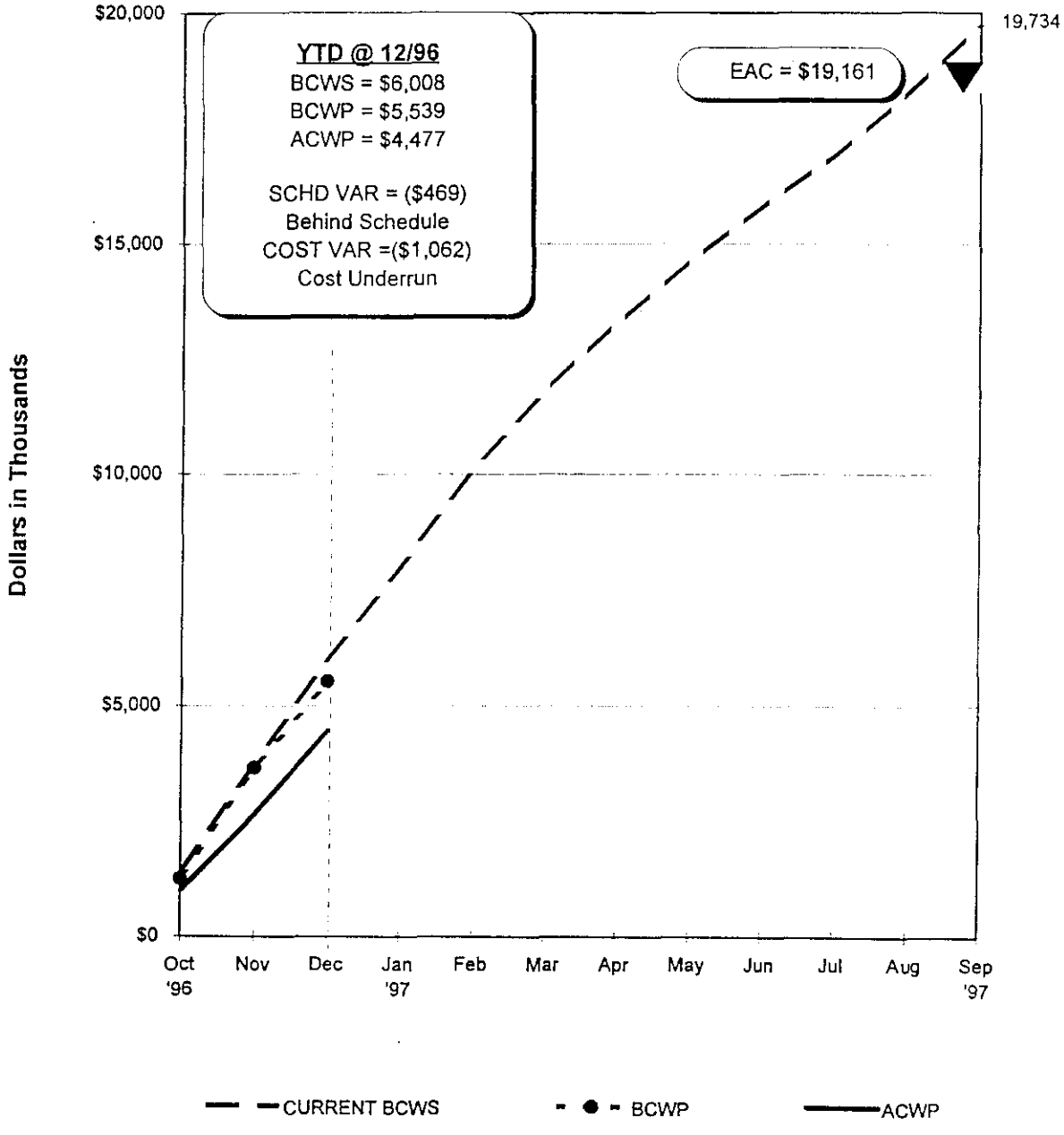
FY 1997 Remedial Actions Performance



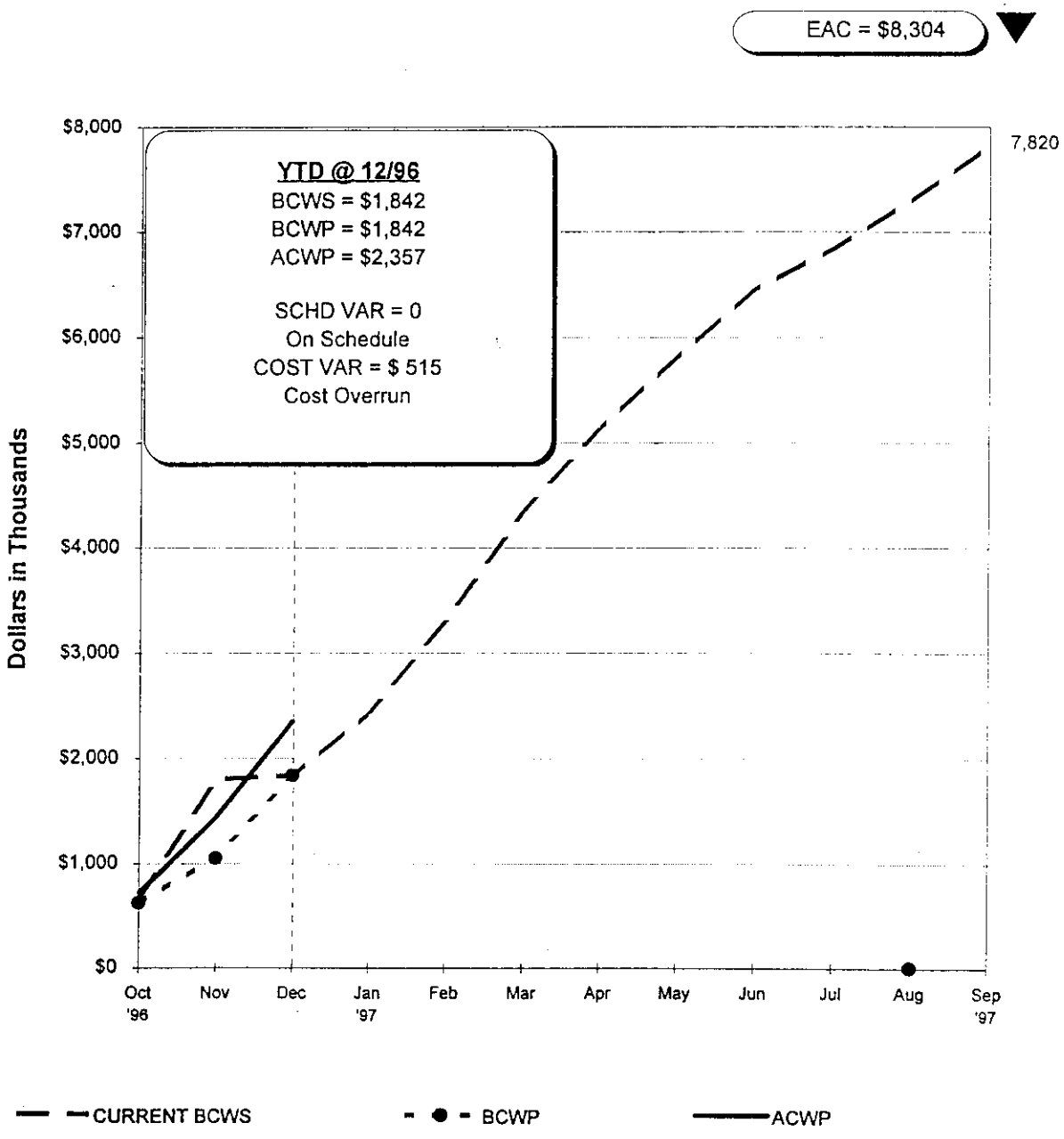
FY 1997 ERDF Performance



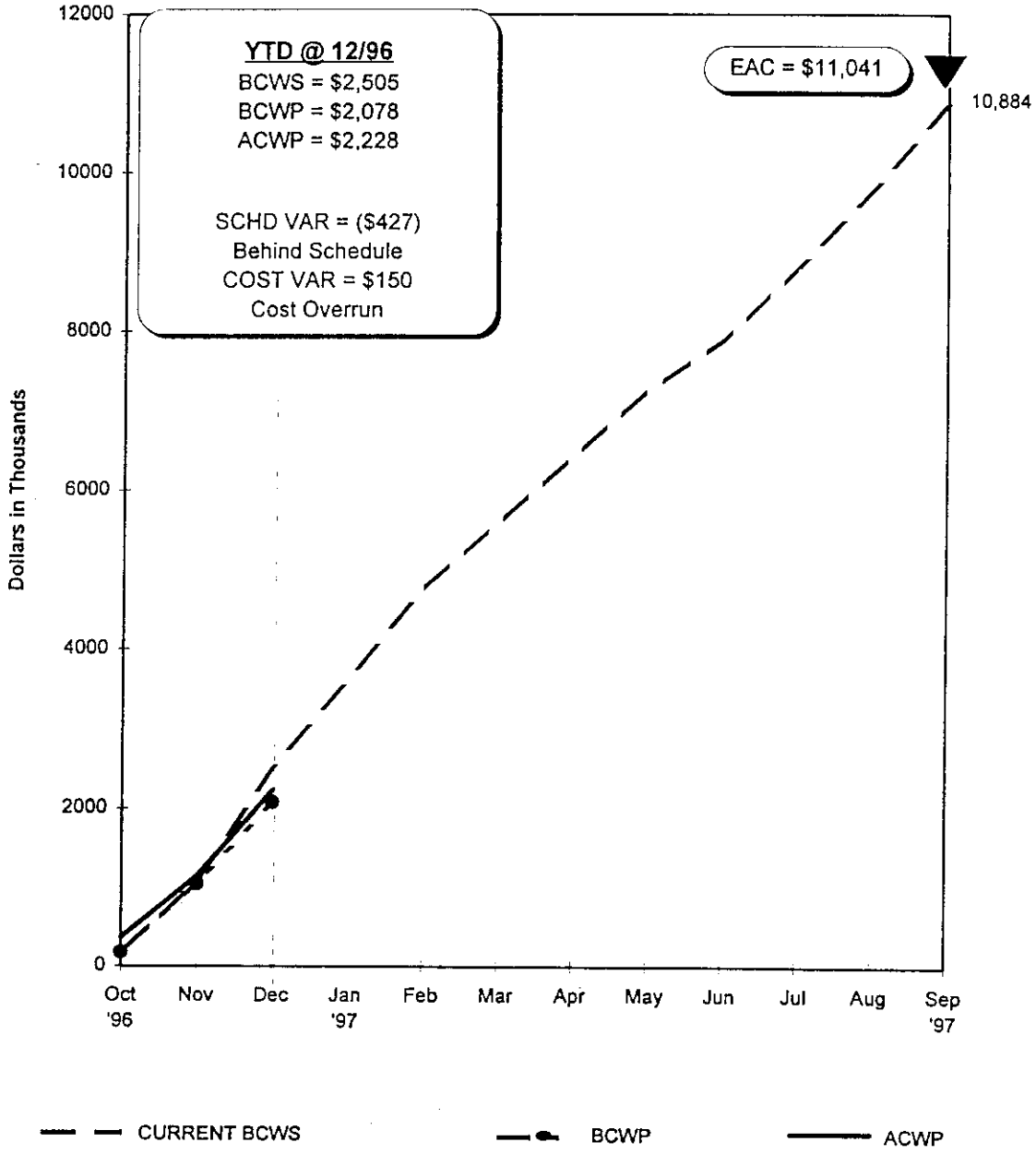
FY 1997 Groundwater Management



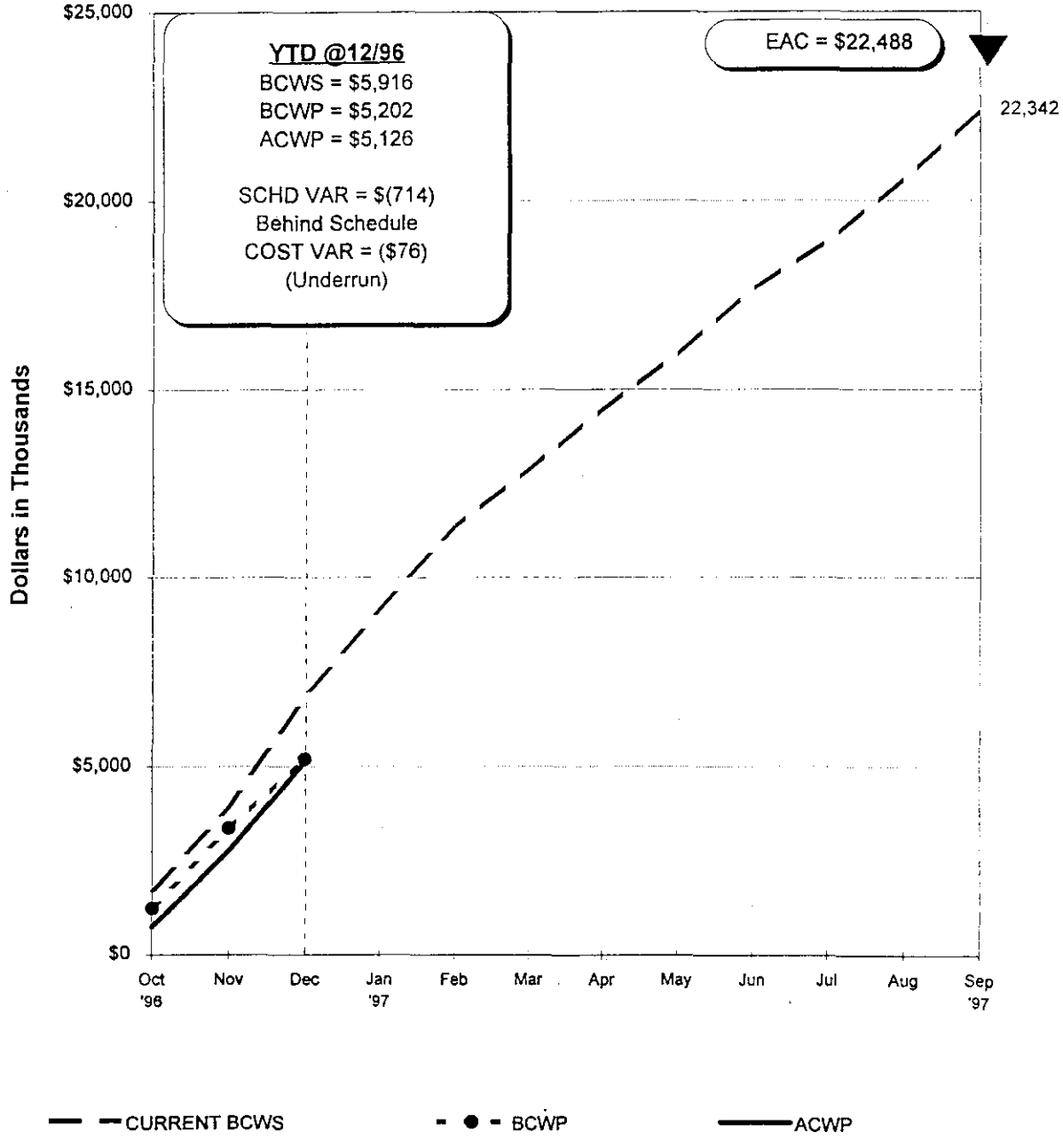
FY 1997 N Area Deactivation Performance



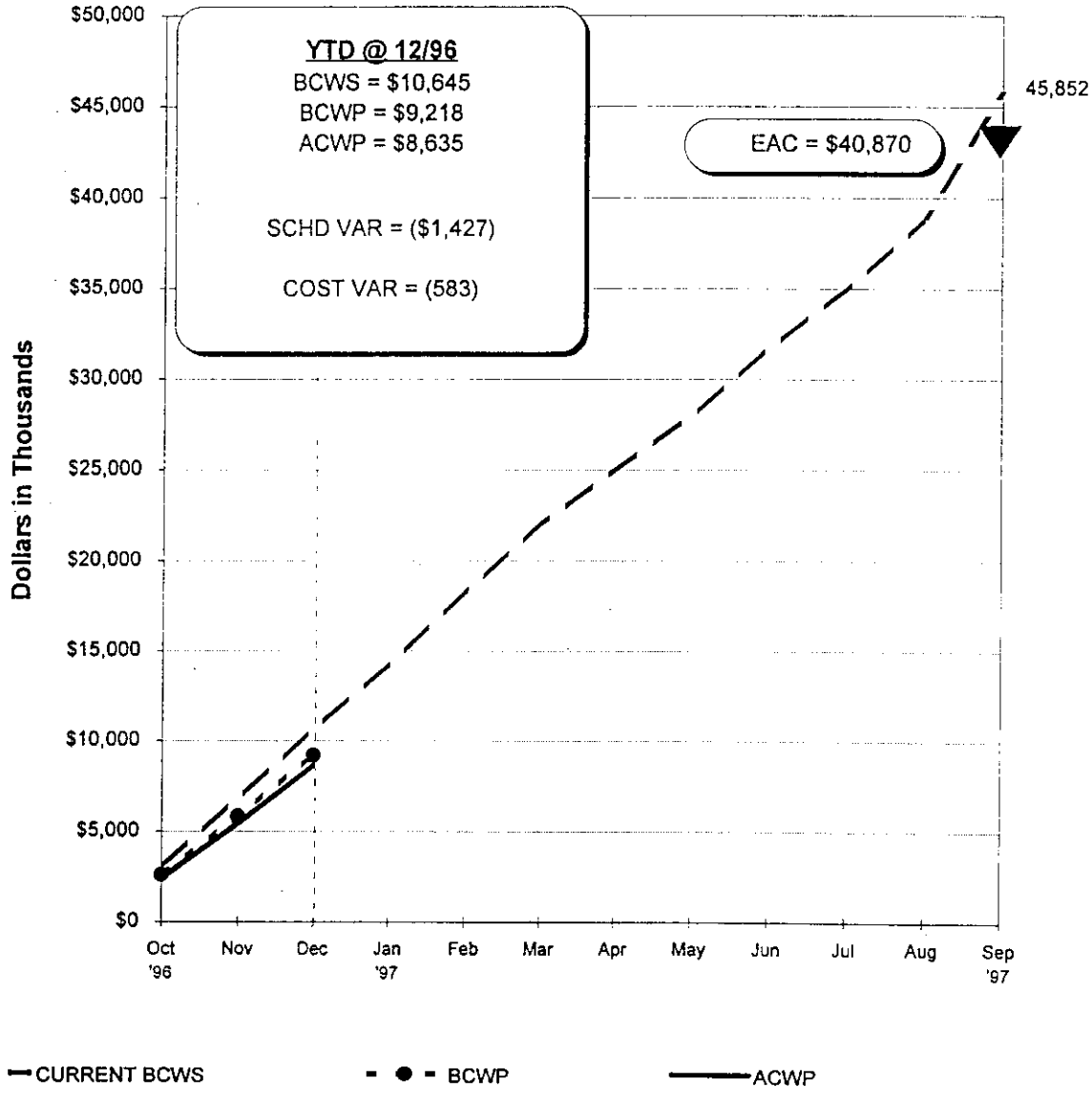
FY 1997 N Basin Project Performance



FY 1997 D & D Performance



FY 1997 PM&S Performance



FY 1997 - Schedule / Cost Variance Summary

Schedule Variances (>$350 thousand @ ADS Level):

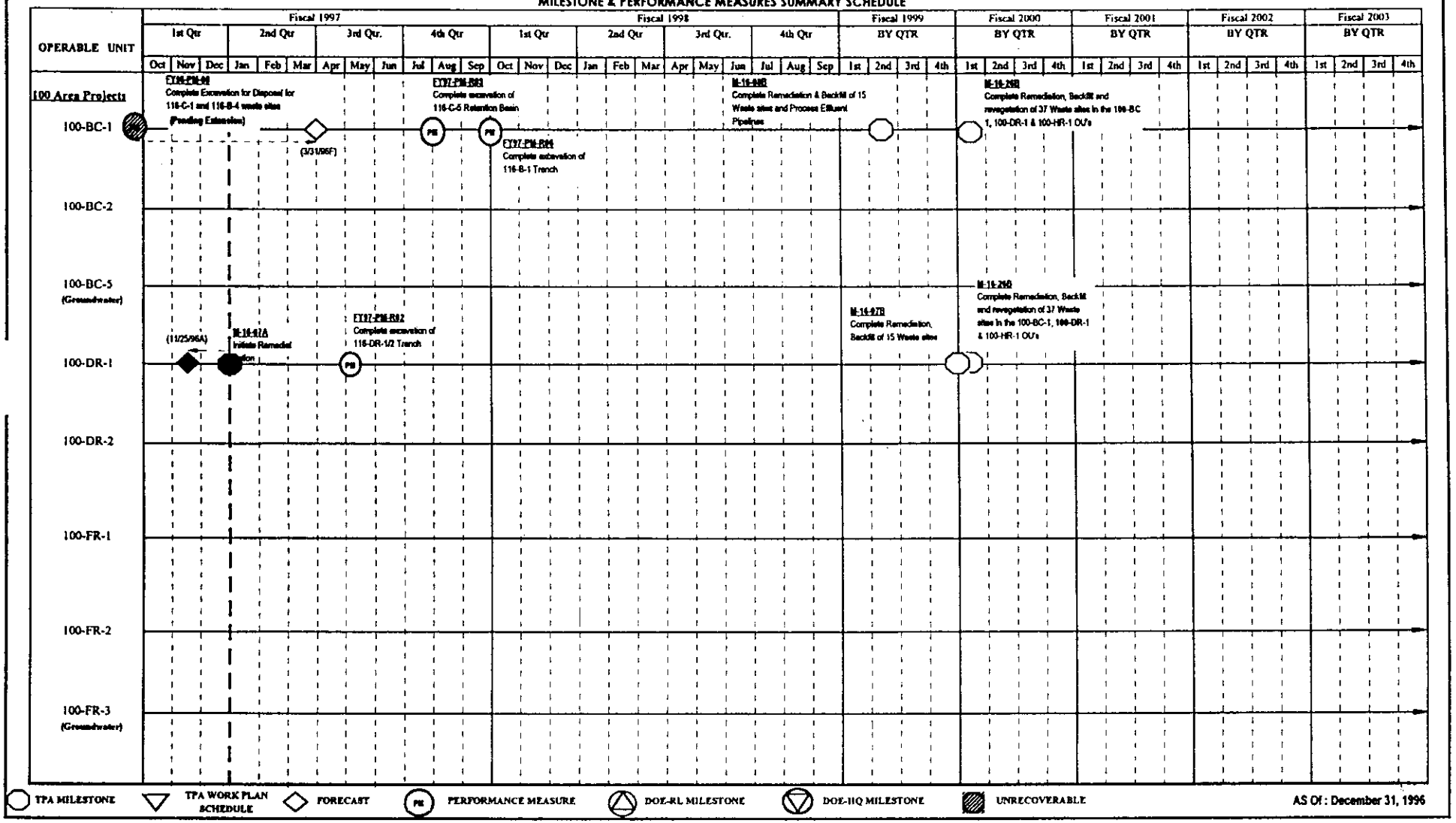
Operable Unit / $ Variance (000's)	Description & Cause
ADS 3100 100-B/C RA	Excavation of the 116-C-1 trench finished late due to subcontractor equipment failures, causing a delay in the remediation effort. This also resulted in the late start of 116-C-5 and Pipelines. Schedule recovery has been minimal due to poor weather conditions ($433K) behind schedule.
ADS 3100 100-HR RA	♦ Remaining Sites FFS - This task is on hold until a ROD strategy can be coordinated with Regulators. ($392K) behind schedule.
ADS 3700 ERDF RA	♦ Lower than expected waste volumes in December due to weather conditions ($912K) behind schedule.
ADS 3110 100-HR GW	♦ Chemical Treatment - Fabrication of electrical/control panels and pumps are behind schedule due to delays in procurement. Subcontractor delays have occurred in procurement of the Ion Exchange System ($452K) behind schedule.
ADS 3510 100-BC-1 D&D	♦ Delay in approval of the Final Hazardous Classification and authorization to proceed, ($708K) behind schedule.

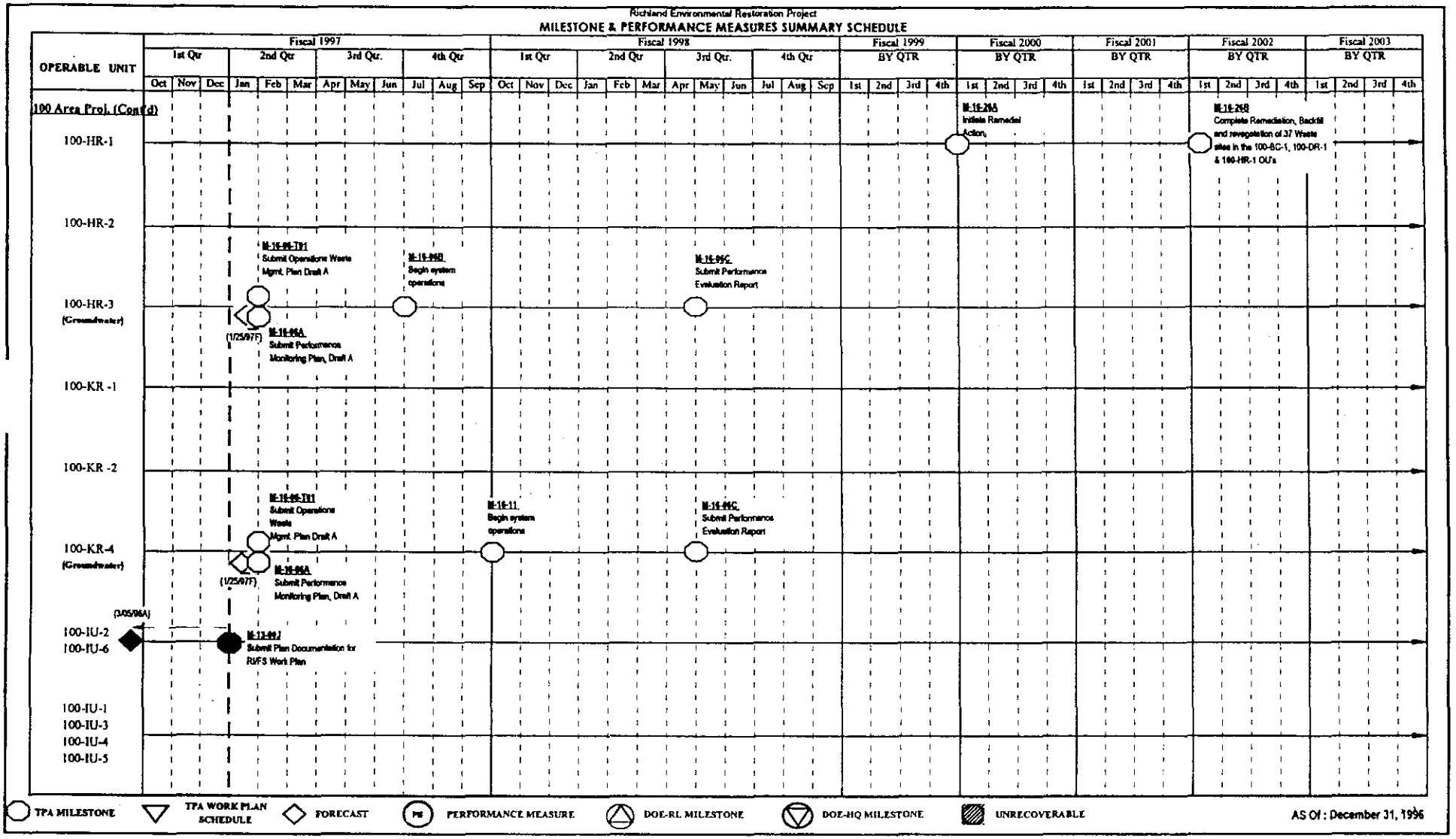
Cost Variances (>$350 thousand @ ADS level)

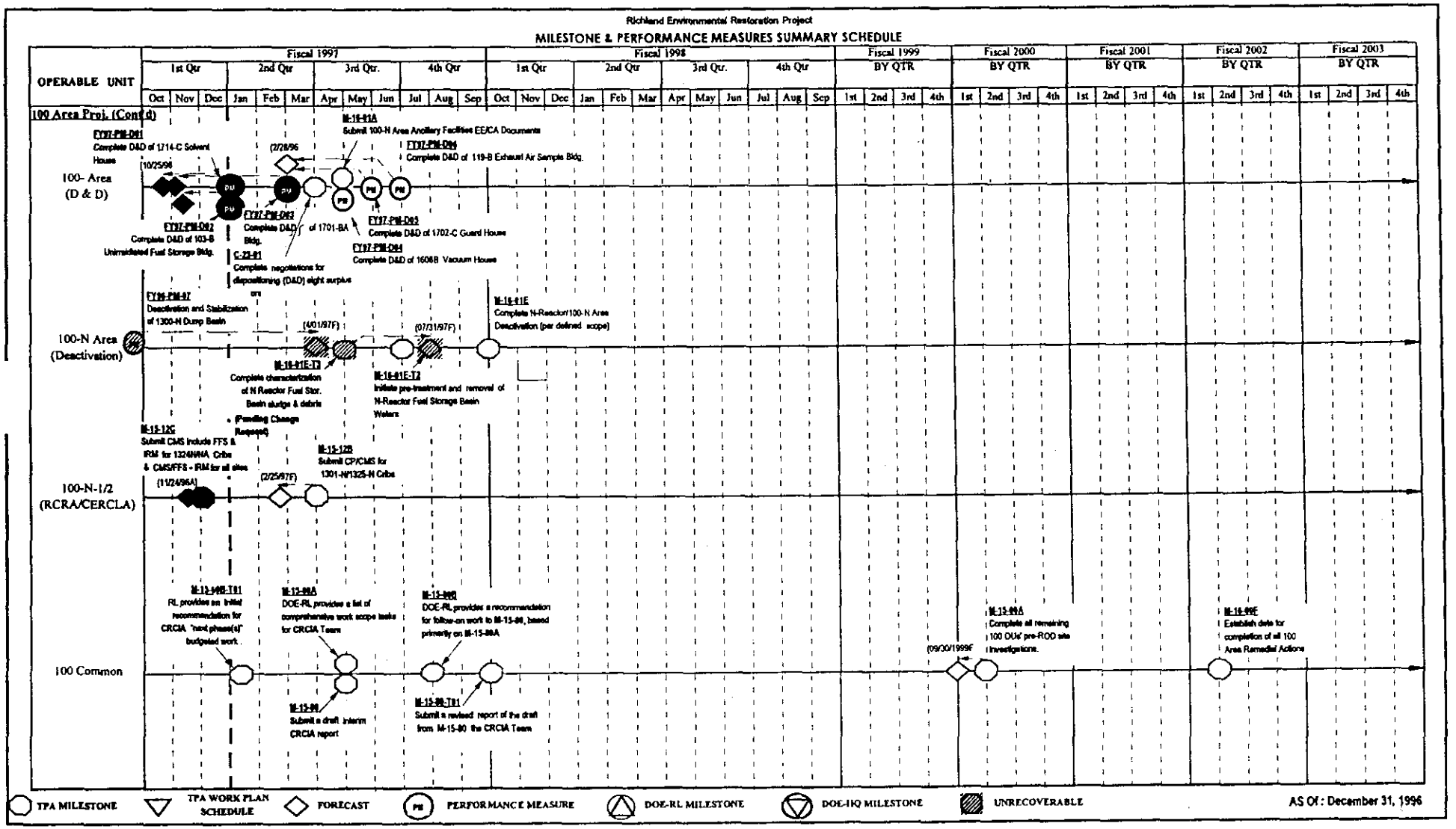
Operable Unit / $ Variance (000's)	Description & Cause
ADS 3100 100-DR RA $522K Cost underrun	♦ Underrun of mobilizations costs due to the MYWP indicated a mobilization budget of $743K in December. The subcontractor has amortized his mobilization costs over the duration of the project leaving a underrun of $362K. ♦ Group 3 Remedial Design - (1) After review of the 60% design package and magnitude comment resolution, the total potential cost impacts can be realistically evaluated. (2) The project team DQO, based on analogous site, waived most of the field characterization scope. However recent feedback indicates more accurate waste profiles should be generated from actual field data to reduce downtime associated with the use of analogous site data, $151K underrun.
ADS 3110 100-Area GW $606 Cost Underrun	♦ 100-HR-3 - Prior Year cost adjustments $145K, Monitor/sample/test analysis per NPL agreement, the number of wells and analytes samples were reduced, resulting in analytl and material costs savings of $115K. Chemical treatment combining of HR-3 and KR-4 Interim Action Monitoring Plan, and receipt of favorable comments, eliminated the need for an extensive rewrite, resulting in a cost savings of $61K. ♦ 100-KR-4 -Project support for 100-HR-3 is addressing the most significant effort related to upgrades. KR-4 upgrades, scheduled to complete after HR-3, are benefiting from HR-3 efforts for a cost underrun of $52K. Chemical treatment construction support COA budget does not match the KR-4 schedule. Expense material code of accounts are linearly spread, rather than reflecting the schedule of major components for resin, totes, and risn regeneration for a cost underrrun of $119K. Monitor/sample/test analysis per NPL agreement, the number of wells and analytes samples were reduced, resulting in analytl and material costs savings of $71K.

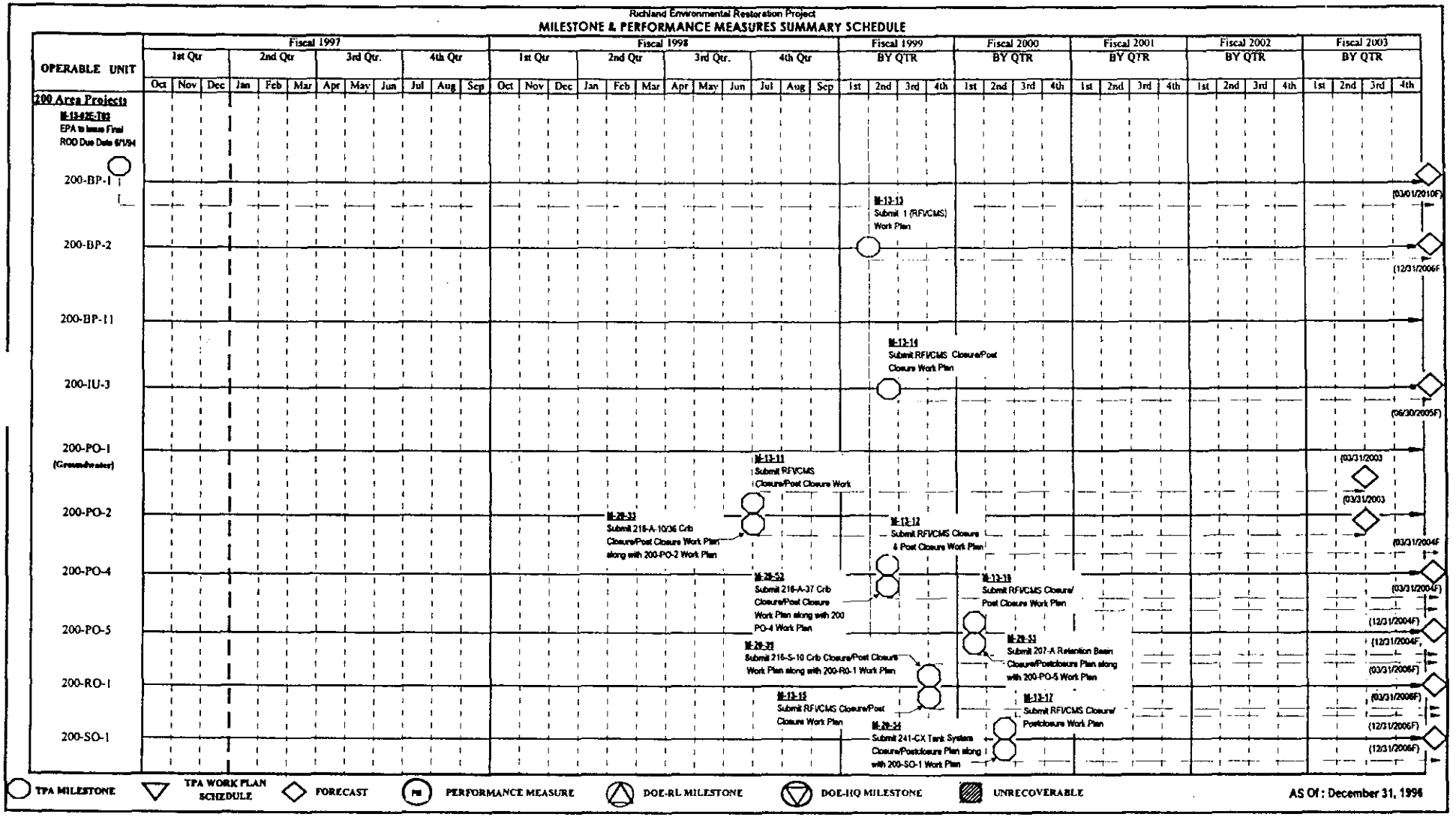
Richland Environmental Restoration Project

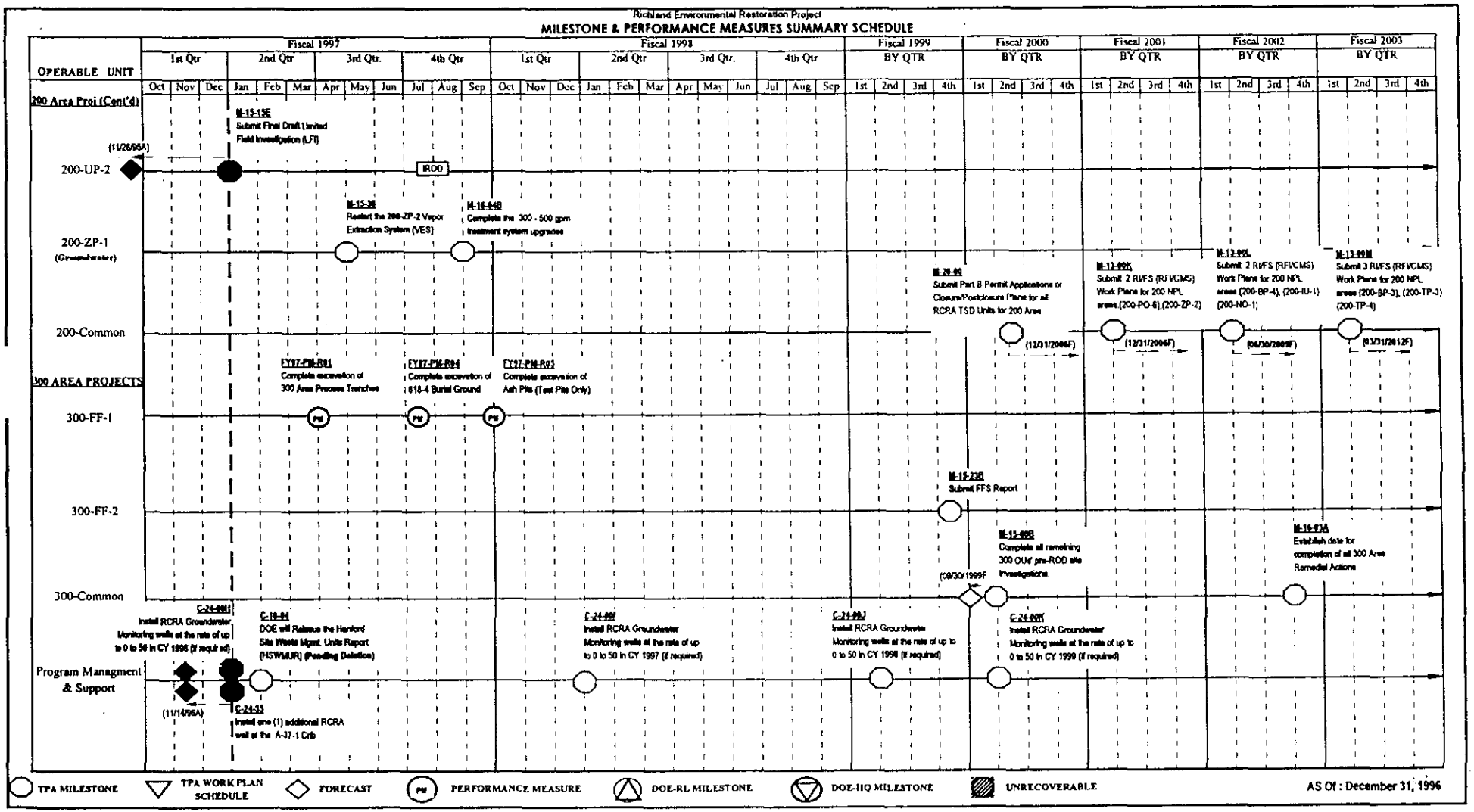
MILESTONE & PERFORMANCE MEASURES SUMMARY SCHEDULE




Richland Environmental Restoration Project
MILESTONE & PERFORMANCE MEASURES SUMMARY SCHEDULE
OPERABLE UNIT
Fiscal 1997
1st Qtr
2nd Qtr
3rd Qtr.
4th Qtr
Fiscal 1998
Fiscal 1999
Fiscal 2000
Fiscal 2001
Fiscal 2002
Fiscal 2003
BY QTR
Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep
1st 2nd 3rd 4th
100 Area Proj. (Cont'd)
100-HR-1
M-16-26A
Initiate Remedial Action
M-16-26B
Complete Remediation, Backfill and revegetation of 37 Waste sites in the 100-BC-1, 100-DR-1 & 100-HR-1 OU's
100-HR-2
M-16-96-T01
Submit Operations Waste Mgmt. Plan Draft A
M-16-96B
Begin system operations
M-16-95C
Submit Performance Evaluation Report
100-HR-3
(Groundwater)
(1/25/97F)
M-16-96A
Submit Performance Monitoring Plan, Draft A
100-KR-1
100-KR-2
M-16-96-T01
Submit Operations Waste Mgmt. Plan Draft A
M-16-11
Begin system operations
M-16-95C
Submit Performance Evaluation Report
100-KR-4
(Groundwater)
(1/25/97F)
M-16-96A
Submit Performance Monitoring Plan, Draft A
(3/05/98A)
100-IU-2
100-IU-6
M-13-98J
Submit Plan Documentation for RI/FS Work Plan
100-IU-1
100-IU-3
100-IU-4
100-IU-5
TPA MILESTONE
TPA WORK PLAN SCHEDULE
FORECAST
PM
PERFORMANCE MEASURE
DOE-RL MILESTONE
DOE-HQ MILESTONE
UNRECOVERABLE
AS Of : December 31, 1996


Richland Environmental Restoration Project
MILESTONE & PERFORMANCE MEASURES SUMMARY SCHEDULE
OPERABLE UNIT
Fiscal 1997
1st Qtr
2nd Qtr
3rd Qtr.
4th Qtr
Fiscal 1998
1st Qtr
2nd Qtr
3rd Qtr.
4th Qtr
Fiscal 1999
BY QTR
Fiscal 2000
BY QTR
Fiscal 2001
BY QTR
Fiscal 2002
BY QTR
Fiscal 2003
BY QTR
Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep
1st 2nd 3rd 4th
100 Area Proj. (Cont'd)
100- Area (D & D)
FY97-PM-D01
Complete D&D of 1714-C Solvent House
(10/25/96)
FY97-PM-D02
Complete D&D of 103-B Unirradiated Fuel Storage Bldg.
FY97-PM-D03
Complete D&D of 1701-BA Bldg.
(2/28/96)
M-15-91A
Submit 100-N Area Ancillary Facilities EE/CA Documents
FY97-PM-D04
Complete D&D of 119-B Exhaust Air Sample Bldg.
FY97-PM-D05
Complete D&D of 1702-C Guard House
FY97-PM-D06
Complete D&D of 1608B Vacuum House
C-23-01
Complete negotiations for dispositioning (D&D) eight surplus on
100-N Area (Deactivation)
FY99-PM-97
Deactivation and Stabilization of 1300-N Dump Basin
M-15-91E
Complete N-Reactor/100-N Area Deactivation (per defined scope)
(4/01/97F)
(07/31/97F)
M-15-91E-T3
Complete characterization of N Reactor Fuel Stor. Basin sludge & debris
(Pending Change Request)
M-15-91E-T2
Initiate pre-treatment and removal of N-Reactor Fuel Storage Basin Waters
100-N-1/2 (RCRA/CERCLA)
M-15-12C
Submit CMS Include FFS & IRM for 1324/NRA Cribs & CMS/FFS - IRM for all sites
(11/24/96A)
(2/25/97F)
M-15-12B
Submit CP/CMS for 1301-N/1325-N Cribs
100 Common
M-15-99B-T01
RL provides an initial recommendation for CRCIA "next phase(s)" budgeted work.
M-15-99A
DOE-RL provides a list of comprehensive work scope tasks for CRCIA Team
M-15-99B
DOE-RL provides a recommendation for follow-on work to M-15-99, based primarily on M-15-99A
M-15-99
Submit a draft interim CRCIA report
M-15-99-T01
Submit a revised report of the draft from M-15-80 the CRCIA Team
(09/30/1999F)
M-15-99A
Complete all remaining 100 OUs' pre-ROD site investigations.
M-16-99E
Establish date for completion of all 100 Area Remedial Actions
TPA MILESTONE
TPA WORK PLAN SCHEDULE
FORECAST
PERFORMANCE MEASURE
DOE-RL MILESTONE
DOE-HQ MILESTONE
UNRECOVERABLE
AS Of : December 31, 1996


Richland Environmental Restoration Project
MILESTONE & PERFORMANCE MEASURES SUMMARY SCHEDULE
OPERABLE UNIT
Fiscal 1997
Fiscal 1998
Fiscal 1999 BY QTR
Fiscal 2000 BY QTR
Fiscal 2001 BY QTR
Fiscal 2002 BY QTR
Fiscal 2003 BY QTR
1st Qtr
2nd Qtr
3rd Qtr.
4th Qtr
Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep
1st 2nd 3rd 4th
200 Area Projects
M-13-02E-T00
EPA to Issue Final ROD Due Date 6/1/94
200-BP-1
200-BP-2
200-BP-11
200-IU-3
200-PO-1
(Groundwater)
200-PO-2
200-PO-4
200-PO-5
200-RO-1
200-SO-1
M-13-13
Submit 1 (RFI/CMS) Work Plan
M-13-14
Submit RFI/CMS Closure/Post Closure Work Plan
M-13-11
Submit RFI/CMS Closure/Post Closure Work
M-20-33
Submit 216-A-10/36 Crib Closure/Post Closure Work Plan along with 200-PO-2 Work Plan
M-13-12
Submit RFI/CMS Closure & Post Closure Work Plan
M-20-32
Submit 216-A-37 Crib Closure/Post Closure Work Plan along with 200 PO-4 Work Plan
M-13-18
Submit RFI/CMS Closure/ Post Closure Work Plan
M-20-31
Submit 216-S-10 Crib Closure/Post Closure Work Plan along with 200-RO-1 Work Plan
M-20-53
Submit 207-A Retention Basin Closure/Postclosure Plan along with 200-PO-5 Work Plan
M-13-15
Submit RFI/CMS Closure/Post Closure Work Plan
M-13-17
Submit RFI/CMS Closure/ Postclosure Work Plan
M-20-34
Submit 241-CX Tank System Closure/Postclosure Plan along with 200-SO-1 Work Plan
(03/01/2010F)
(12/31/2006F)
(06/30/2005F)
(03/31/2003
(03/31/2003
(03/31/2004F
(03/31/2004F)
(12/31/2004F)
(12/31/2004F,
(03/31/2006F)
(03/31/2006F)
(12/31/2006F)
(12/31/2006F)
TPA MILESTONE
TPA WORK PLAN SCHEDULE
FORECAST
PM PERFORMANCE MEASURE
DOE-RL MILESTONE
DOE-HQ MILESTONE
UNRECOVERABLE
AS Of : December 31, 1996


Richland Environmental Restoration Project
MILESTONE & PERFORMANCE MEASURES SUMMARY SCHEDULE
OPERABLE UNIT
Fiscal 1997
Fiscal 1998
Fiscal 1999 BY QTR
Fiscal 2000 BY QTR
Fiscal 2001 BY QTR
Fiscal 2002 BY QTR
Fiscal 2003 BY QTR
200 Area Proj (Cont'd)
200-UP-2
200-ZP-1 (Groundwater)
200-Common
300 AREA PROJECTS
300-FF-1
300-FF-2
300-Common
Program Managment & Support
M-15-15E Submit Final Draft Limited Field Investigation (LFI)
(11/26/96A)
IROD
M-15-36 Restart the 200-ZP-2 Vapor Extraction System (VES)
M-16-04D Complete the 300 - 500 gpm treatment system upgrades
M-20-00 Submit Part B Permit Applications or Closure/Postclosure Plans for all RCRA TSD Units for 200 Area
M-13-00K Submit 2 RI/FS (RF/CMS) Work Plans for 200 NPL areas (200-PO-6),(200-ZP-2)
M-13-00L Submit 2 RI/FS (RF/CMS) Work Plans for 200 NPL areas (200-BP-4), (200-IU-1) (200-NO-1)
M-13-00M Submit 3 RI/FS (RF/CMS) Work Plans for 200 NPL areas (200-BP-3), (200-TP-3) (200-TP-4)
(12/31/2006F)
(12/31/2006F)
(04/30/2009F)
(03/31/2012F)
FY97-PM-R01 Complete excavation of 300 Area Process Trenches
FY97-PM-R04 Complete excavation of 618-4 Burial Ground
FY97-PM-R05 Complete excavation of Ash Pits (Test Pits Only)
PM
M-15-23D Submit FFS Report
M-15-00B Complete all remaining 300 OUs' pre-ROD site investigations
(09/30/1999F
M-16-03A Establish date for completion of all 300 Area Remedial Actions
C-24-0001 Install RCRA Groundwater Monitoring wells at the rate of up to 0 to 50 in CY 1996 (if required)
C-18-04 DOE will Reissue the Hanford Site Waste Mgmt. Units Report (HSWMUR) (Pending Deletion)
C-24-00F Install RCRA Groundwater Monitoring wells at the rate of up to 0 to 50 in CY 1997 (if required)
C-24-00J Install RCRA Groundwater Monitoring wells at the rate of up to 0 to 50 in CY 1998 (if required)
C-24-00K Install RCRA Groundwater Monitoring wells at the rate of up to 0 to 50 in CY 1999 (if required)
(11/14/96A)
C-24-33 Install one (1) additional RCRA well at the A-37-1 Crib
TPA MILESTONE
TPA WORK PLAN SCHEDULE
FORECAST
PERFORMANCE MEASURE
DOE-RL MILESTONE
DOE-HQ MILESTONE
UNRECOVERABLE
AS Of : December 31, 1996

PUREX STABILIZATION PROJECT UPDATE

M-80 TRI-PARTY AGREEMENT MILESTONE

ATTACHMENT 2

PUREX Stabilization Project

February 25, 1997

FUTURE M-80 TPA MILESTONES

NUMBER	MILESTONE TITLE/ DESCRIPTION	MILESTONE DATE	ECD
M-80-00-T06	Complete deactivation of the PUREX Plant 211-A Area	April 1997	April 1997
M-80-00	Complete PUREX and UO3 Plant's transition phase and initiate the surveillance & maintenance phase	July 1998	Sept. 1997

M-80 TPA MILESTONES COMPLETED

NUMBER	MILESTONE TITLE/ DESCRIPTION	MILESTONE DATE	ACD
M-80-00-T01	Issue DOE approved end point criteria for the UO3 Plant	Dec. 1994	Dec. 1994
M-80-01	Complete deactivation of PUREX Plant R Cell	April 1995	April 1995
M-80-00-T02	Complete all UO3 Plant transition activities and initiate Surveillance & Maintenance phase	June 1995	Jan. 1995
M-80-00-T03	Submit options and recommendations for final management of Tank 40 organic material to EPA and/or Ecology	June 1995	June 1995

M-80 TPA MILESTONES COMPLETED

NUMBER	MILESTONE TITLE/ DESCRIPTION	MILESTONE DATE	ACD
M-80-02-T01	Submit proposed end point criteria for transition of PUREX	June 1995	June 1995
M-80-00-T04	Complete removal of concentrated (recovered) 203-A nitric acid at PUREX	June 1996	Dec. 1995
M-80-00-T05	Complete implementation of selected alternative for management of spent fuel from PUREX	Dec. 1996	Dec. 1995
M-80-03	Remove process waste solutions from Tanks D5 and E6	Jan. 1997	April 1995

M-80 TPA MILESTONES COMPLETED

NUMBER	MILESTONE TITLE/ DESCRIPTION	MILESTONE DATE	ACD
M-80-02-T02	Submit PUREX Surveillance & Maintenance Plan	May 1996	May 1996
M-80-02	Submit the end point criteria and Surveillance & Maintenance Plan in support of the PUREX preclosure work plan	July 1996	July 1996
M-80-00-T07	Complete deactivation of the PUREX Plant sample gallery	June 1997	July 1996
M-80-04	Complete deactivation of the PUREX Plant U Cell/Fractionator	April 1997	Sept. 1996

M-80 TPA MILESTONES COMPLETED

NUMBER	MILESTONE TITLE/ DESCRIPTION	MILESTONE DATE	ACD
M-80-05	Complete deactivation of the PUREX Plant aqueous makeup area	June 1997	July 1996
M-80-06	Complete deactivation of the PUREX Plant canyon	June 1997	July 1996
M-80-07	Complete deactivation of the PUREX Plant 203-A Area	April 1998	Nov. 1996

M-20 TPA MILESTONE COMPLETED

NUMBER	MILESTONE TITLE/ DESCRIPTION	MILESTONE DATE	ACD
M-20-24A	Submit a PUREX preclosure work plan to EPA and Ecology	July 1996	July 1996

PROGRAM MANAGER'S ASSESSMENT

No longer prepared for the PUREX Project

SIGNIFICANT ACCOMPLISHMENTS

- Completed U Cell/Fractionator deactivation
- Completed shutdown/isolation of all but main stack
- Completed end points:

  116 in November
  117 in December
  223 in January

- Deactivated instruments:

  519 in November
  338 in December
  123 in January

SIGNIFICANT PLANNED ACTIONS

- Complete installation of new power substation
- Install SAMCON Unit for remote instrument monitoring
- Complete deactivation of other ancillary facilities

ISSUES

- None

NON-TPA REGULATORY ISSUES/POTENTIAL IMPACT TO TPA

- None

IAMIT MILESTONE STATUS M-82-00

RL Presenter: D. T. Evans

Contractor Milestone Manager: R. E. Heineman

RL Division Director: J. E. Mecca

ATTACHMENT 3

TRANSITION MILESTONES

- *Submit End Point Criteria for Transition of B Plant - June 1996*
- ***Complete Deactivation of the B Plant 211-B Area (chemical tank farm)- January 1997***
- **Complete Removal of Organic Solvent Waste from the B Plant Canyon - June 1997**
- **Submit B Plant Surveillance and Maintenance Plan - June 1997**
- Complete Deactivation of the B Plant Aqueous Makeup Area - May 1998
- Complete Deactivation of the B Plant Liquid Effluents Area - May 1998
- Document Hazardous Substances/Dangerous Wastes Remaining within B Plant - June 1998

TRANSITION MILESTONES (Cont.)

- Complete Disposition of Organic Solvent Waste - September 1998
- Complete Decoupling of WESF from B Plant - December 1998
- Submit a B Plant Preclosure Work Plan to Ecology - March 1999
- Complete Deactivation of the B Plant Canyon - September 1999
- Complete Isolation/Stabilization of Retired Filters and Provide Operating Canyon Ventilation system for S&M Phase (Project W-059) - September 1999

RL PROGRAM MANAGERS ASSESSMENT OF CONTRACTOR PERFORMANCE

WBS	PROGRAM	ES&H Compliance	Customer (FDH)	Technical	Schedule	Cost	Comments
7.1.7	B PLANT COMPLEX	□	□	□	□	●	1. Project rebaselined to reflect Performance Agreements, budget reductions & increased costs.

LEGEND

RATING GRADIENT SYMBOLS		INDICATORS	
■	Outstanding	+	Improved from last month
□	Good	–	Worsened from last month
◇	Satisfactory	↑	Improved future outlook
○	Marginal	↓	Worsened future outlook
●	Unsatisfactory		

SIGNIFICANT ACCOMPLISHMENTS (Past 3 mo.)

- **Complete Deactivation of the B Plant 211-B Area - January 1997**
  - Completed 5 weeks ahead of schedule (December 23, 1996)
  - Deactivation endpoints completed and accepted by BHI

SIGNIFICANT ACCOMPLISHMENTS (CONT.)

- **Complete Removal of Organic Solvent Waste from the B Plant Canyon - June 1997**
  - 1500 lbs of high activity solids removed through filtration
  - Completed H3PO4 decontamination washes
  - Completed radiological characterization
  - Organic meets all dose requirements for removal, transportation and storage
  - Transfer system installed and tested
  - Completed mockup training on transfer system
  - Completed transfer readiness assessment

SIGNIFICANT ACCOMPLISHMENTS (CONT.)

- **Submit B Plant Surveillance and Maintenance Plan - June 1997**
  - First draft prepared in December 1996 based on PUREX plan
  - Internal review and comment incorporation in progress
  - Revisions based on anticipated changes to PUREX plan
  - Second draft in progress

SIGNIFICANT PLANNED ACTIONS (Next 6 mo.)

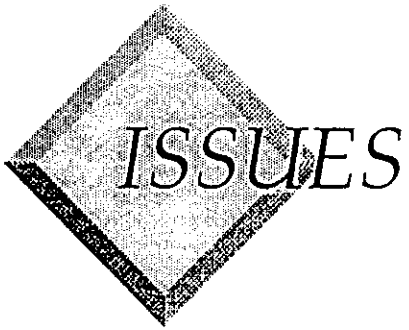
- **Complete Removal of Organic Solvent Waste from the B Plant Canyon**
  - Transfer of organic from canyon storage to new tank estimated to be complete February 26, 1997
  - Remaining tank heel to be processed to tank farms
  - Following removal to new tank, tank will be moved to storage location north-east of B Plant canyon

SIGNIFICANT PLANNED ACTIONS (Next 6 mo.)

- **Submit B Plant Surveillance and Maintenance Plan**
  - Complete final draft of B Plant S&M plan
  - Submit to RL, FDH, BHI, BWHC for review and comment
  - Issue draft S&M plan to Ecology by June 1997

BUDGET/COST STATUS

- **Complete Deactivation of the B Plant 211-B Area**
  - Budgeted to date $28.4K (BAC at $28.4K)
  - Cost to date $39.7K (Cost to date includes charges from 276-B work completed on 12/23/96)
- **Complete Removal of Organic Solvent Waste from the B Plant Canyon**
  - Budgeted to date $647.6 (BAC at $1088.5K)
  - Cost to date $979.2K
- **Submit B Plant Surveillance and Maintenance Plan**
  - Budgeted to date $4.9K (BAC at $10.8)
  - Cost to date $2.7K



- **General**
  - Awaiting assignment of Ecology project manager
- **Complete Deactivation of the B Plant 211-B Area**
  - None
- **Complete Removal of Organic Solvent Waste from the B Plant Canyon**
  - None
- **Submit B Plant Surveillance and Maintenance Plan**
  - None

324 Facility Compliance Activities

Complete Closure of Non-Permitted Mixed Waste Storage Units in the 324 Building REC and HLV

February 25, 1997

ATTACHMENT 4

324 Facility Compliance Activities

TPA Milestone Description

- Milestones Completed
  - M-89-01: Complete Removal of 324 Building HLV Tank Mixed Waste (MW) - Completed 9/96
  - M-89-03: Achieve Compliance with Interim Status Facility Standards Non-Permitted 324 Building MW Units - Completed 3/95
  - M-89-04: Submit to Ecology a Report Identifying Management Options for Achieving Clean Closure - Completed 6/95
  - M-20-55 Submit Closure Plan for Non-Permitted MW Units Located in the 324 Building. - Initial Complete 12/95

324 Facility Compliance Activities

- Remaining Milestones
  - M-89-02 (5/99): Complete Removal of 324 Building REC B-Cell MW and Equipment. Items yet to be complete include:
    - Removal of the 1A Rack, 2A Rack, and 1B Rack (and ancillary piping and equipment), and
    - Containerization and removal of the dispersible material from the B-Cell floor.
  - M-89-05 (6/98): Complete 324 Facility Special Case Waste (SCW) Assessment in Support of 324 Closure.

324 Facility Compliance Activities

RL Program Managers Assessment

- **ES&H** - Facility Management has taken active steps in upgrading conduct of operations and radiological control including temporary suspension of high risk radiological work to upgrade procedure and procedural compliance - **Good**
- **Technical** - Pathforward meetings discussing progress and status of technical issues are held weekly. - **Satisfactory**
- **Schedule** - Currently on schedule. However facility transition, 1st quarter budgetary uncertainties, and procedural upgrades have reduced schedule margin - **Satisfactory**
- **Cost** - Facility has aggressively pursued funds to recover from funding shortfalls inherited during transfer. FY97 funding is essentially in place. - **Good**

324 Facility Compliance Activities

Significant Accomplishments (Last 3 Months)

- Upgraded facility radiological procedures and procedural compliance.
- Recovered sufficient FY 1997 Funding to maintain TPA schedule.
- Completed draft 1A Rack Removal and Size Reduction procedure.
- Initiated out-of-cell laser cutting system demonstration.

324 Facility Compliance Activities

Significant Planned Activities (Next 6 Months)

- Compete removal of 1A Rack and associated pipe trench piping.
- Collect and containerize dispersibles from underneath 1A Rack.
- Issue position paper on B-cell dispersible interim storage location (pending treatment/disposal).

324 Facility Compliance Activities

B-Cell Project Budget/Cost Status

- FY97
  - Funding to complete critical path items in place. Non-critical path items have been delayed to FY98-99.
  - Project re-baselined to reflect current funding levels.
- FY98
  - Current funding of $9.5M insufficient to support TPA Milestone. Additional $3M required to meet critical path activities

    (would delay TPA milestone completion by 8 months).
    - Reviewing Integrated Priority List
    - Closure fund (FY97-FY99 proposal)

324 Facility Compliance Activities

Overall 324 Facility and Programmatic Issues

- Many key support staff remained with PNNL after transfer of the facility. Status:
    - *Transferring qualified PUREX staff, updating facility specific training program.*
- Facility transferred with a funding shortfall of $8.9M in FY 97 and $13M in FY98. Status:
    - *Received $2.2M in FY97 from negotiations associated with the Hanford Integrated Priority List (IPL).*
    - *Received $4.2M in FY97 from the Congressional Accelerated Closure Fund (Sponsored by Congressman Hastings).*
    - *Received $10M in FY98 based on the Hanford IPL*
    - *Submitted for additional FY98 Closure Funds.*

324 Facility Compliance Activities

Overall 324 Facility and Programmatic Issues

- Waste management practices less than adequate. June 1996 shipment rejected due to non-compliant items in waste containers previously packaged. Status:
    - *Revising Waste Management Plan and procedures*
- Special Case Waste (B-Cell dispersibles, German logs, Cesium capsules/powder) does not have an approved long-term storage/disposal location. Status:
    - *Interim storage locations identified for German Logs and Cesium.*
- Hot-Cell cranes require significant maintenance, repair, and replacement due to deterioration in high radiation fields. Decontamination is high-dose and complex. Status:
    - *Replacement parts and one replacement crane are on order.*
    - *Looking at options for crane decontamination.*

Advanced Reactors Transition Presentation

Tri-Party Agreement Milestone Review

February 25, 1997

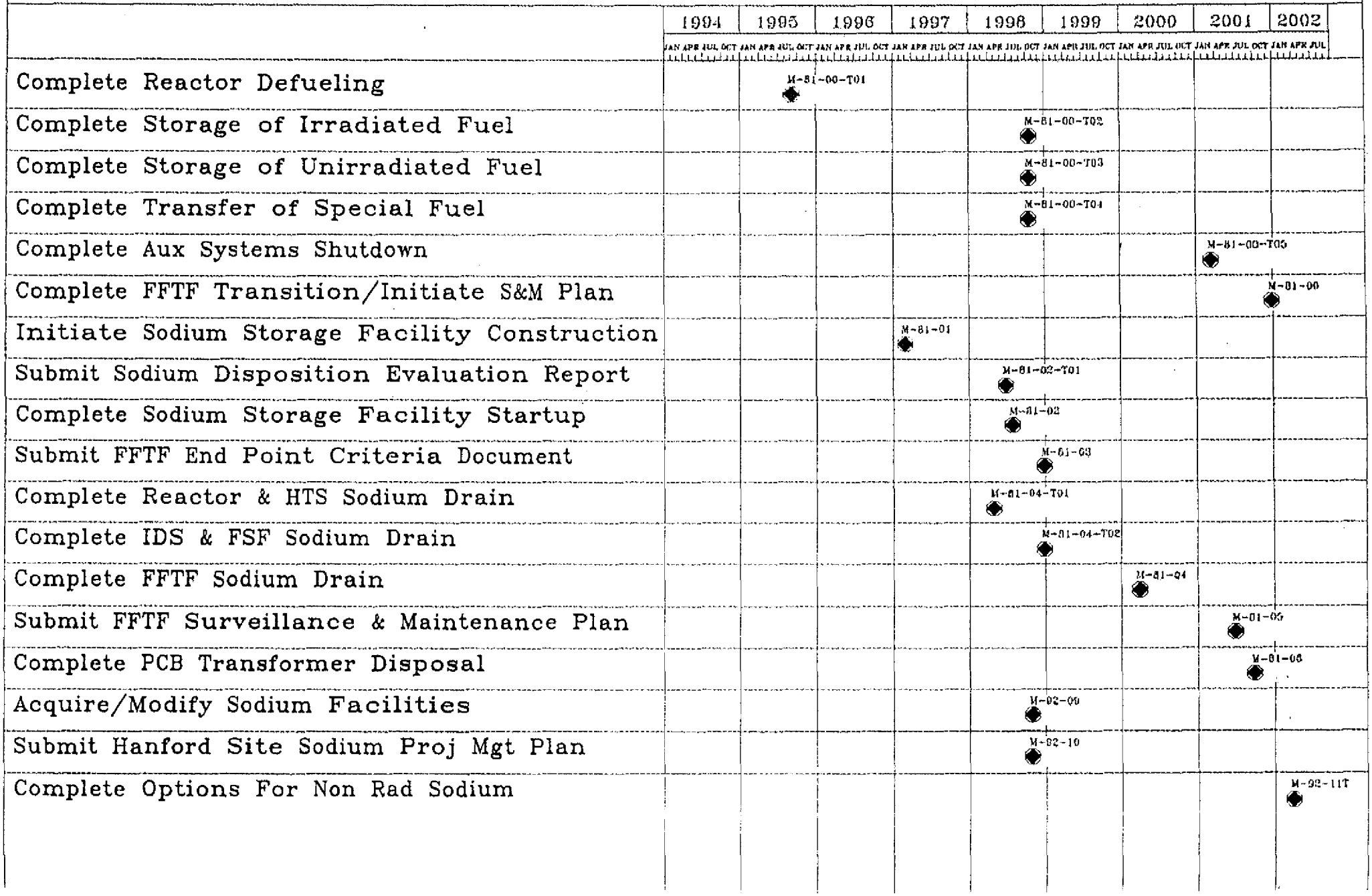
ATTACHMENT 5

Agenda

- TPA Milestones
- RL Program Manager's Assessment
- Significant Accomplishments
- Significant Planned Actions
- Budget/Cost Status
- TPA Milestone Issues
- Non-TPA Issues

TPA MILESTONE SCHEDULE
FAST FLUX TEST FACILITY
As of: February 1997

(Black M.S. = Complete)



PROJECT STATUS REPORT	FLUOR DANIEL HANFORD, INC. 7.3 ADVANCED REACTORS PROGRAM	Oct – Dec 1996

PROGRAM MANAGER'S ASSESSMENT

WBS	PROGRAM ELEMENT	ES&H COMPLIANCE	CUSTOMER	TECHNICAL	SCHEDULE	COST	COMMENTS
7.3	**ADVANCED REACTORS TRANSITION**	■	■	■	■	■	

LEGEND

RATING GRADIENT SYMBOLS

- ■ Outstanding
- □ Good
- ◇ Satisfactory
- ○ Marginal
- ● Unsatisfactory

INDICATORS

- \+ Improved from last month
- – Worsened from last month
- ↑ Improved future outlook
- ↓ Worsened future outlook

Significant Accomplishments

- Completed readiness assessment for the Sodium Storage Facility
- Successfully demonstrated ability to drill under sodium
- Four more Interim Storage Casks loaded and placed in interim storage (13 total)
- Moved 1720-DR tank (4,600 gallons of sodium) from 100D Area to 300 Area

Significant Planned Actions for FFTF

- Continue processing fuel with no future use
- Complete documentation of reactor vessel drilling tests to support ultimate sodium drain
- Preserve sodium drain procedures for future use
- Lay up the Sodium Storage Facility
- Interim Storage Cask procurement
  - Accept receipt on second shipment (11-30)
  - Do not place contract for third shipment (31-52)

Significant Planned Actions for FFTF (continued)

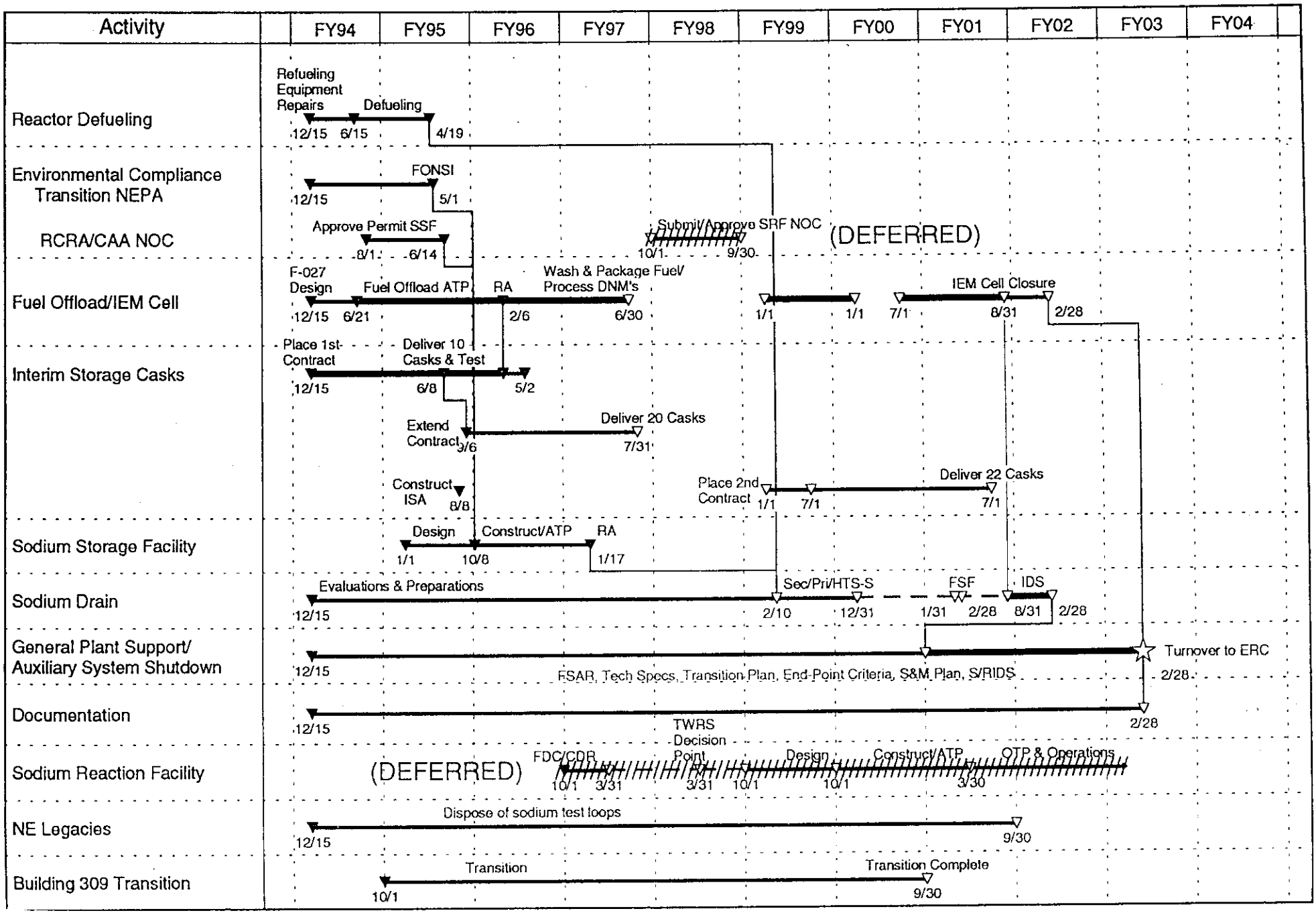
- Prepare Standby Plan
- Develop and prioritize essential work to ensure plant health
- Initiate safety and environmental studies consistent with the Secretary's order
- Review economic and technical feasibility of medical isotope production

Significant Planned Actions for NE Legacies

- Drain sodium from 1720-DR (4,600 gallons) and 3718M(42,000 gallons) tanks
  - These tanks (both in the 300 Area) contain over 90% of the NE Legacies non-radioactive sodium
  - Sodium will be used by commercial industry
- Clean residual sodium from the Small Heat Transfer Loop and Thermal Transient Loop dump tanks

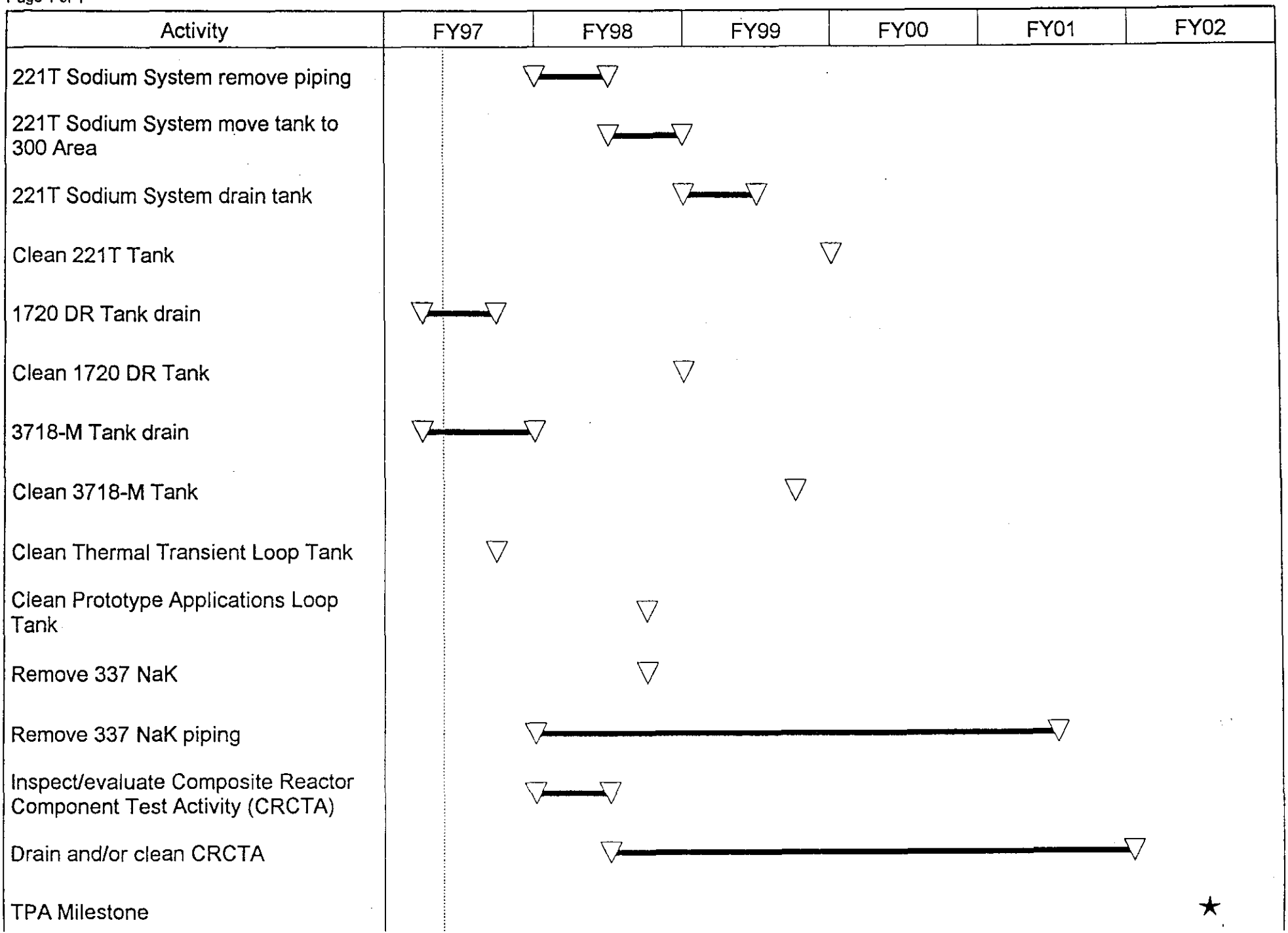
Fast Flux Test Facility Project (Predecisional)

2/21/97



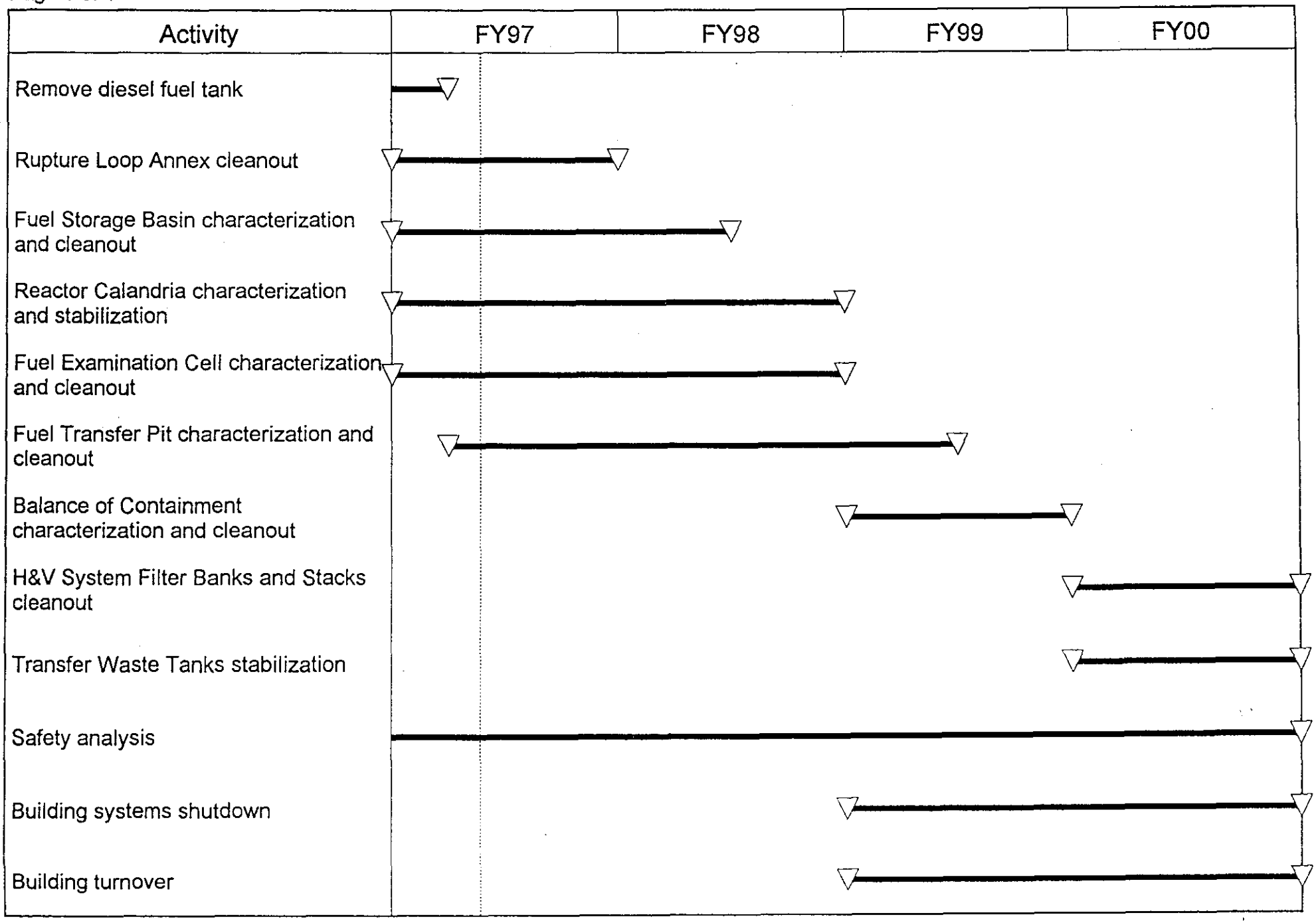
NE Legacies - FY 1997 - 2002

2/21/97



PRTR/309 Building Deactivation

2/21/97



EXPENSE COST PERFORMANCE

($ In Thousands)

WBS (ADS)	FY TO DATE					AT COMPLETION					
	BUDGETED COST		ACT. COST WORK PERF	VARIANCE		MYWP	CURRENT BAC	EAC	FYSF	EXPECTED FUNDS FY 1997	PROJECTED CARRYOVER WORKSCOPE
	WORK SCHED	WORK PERF		SCHED	COST						
7.3.1.1 / 6640 FFTF	13779	12785	12126	(994)	659	45030	45030	45030	45030		
7.3.1.3 / 6641 NUCLEAR ENERGY LEGACIES	1432	1402	1152	(30)	250	3656	3656	3656	3656		
7.3.1.2 / 6642 FFTF SHUTDOWN CONSTRUCTION	1019	1020	215	1	805	1017	1017	1017	1017		
7.3.1.4 / 6643 PRTR/309 BUILDING	941	917	800	(24)	117	3505	3505	3505	3505		
TOTAL	17,171	16,124	14,293	(1,047)	1,831	53,208	53,208	53,208	53,208	46,577	

EAC is defined as the estimated total cost to complete the workscope as defined by the MYWP and approved Class I change requests. FYSF is defined as the estimated total that will be spent from October through September. Expected Funds reflects pending guidance as a result of Energy & Water bill reduction and Hanford assessments and remains to be allocated to each program ADS.

FY 1997 January Budget/Cost Status

- Fiscal year budget status
  - The baseline (MYPP) of $53,208K was reduced to $46,577K per recent direction
  - A change request is being prepared to re-baseline the program
  - Trend information - Straight Line: $45,373; Burn Rate: $45,879

TPA Milestone Issues

- Budget
- Standby decision
- Impacts to TPA milestones

Non-TPA Issues

- No impacts

Presentation to

State of Washington Department of Ecology
and
United States Environmental Protection Agency

on the status of

The Fast Flux Test Facility

February 25, 1997

2/25/97

ATTACHMENT 6

Agenda

- DOE Press Release
- FFTF/FMEF Funding
- 309 Building/NE Legacies Funding
- TPA Milestone Issues
- Recommendations

DOE NEWS

NEWS MEDIA CONTACT:
Jayne Brady, 202/586-5806

FOR IMMEDIATE RELEASE
January 15, 1997

ENERGY DEPARTMENT'S HANFORD REACTOR PUT ON "HOT STANDBY"

Secretary of Energy Hazel R. O'Leary announced today that the Fast Flux Test Facility (FFTF) at the Hanford site in Washington will be maintained in a "hot standby" condition, while any future role it may play in the department's dual track tritium production strategy is evaluated. Maintaining FFTF in hot standby condition revises previous plans by the Department of Energy (DOE) to continue deactivation this year. Other cleanup activities currently being conducted at the site will not be affected by this change in status.

"The department is evaluating whether there is a possible use for the FFTF in the tritium program, while transition activities such as washing and storing the spent fuel from the reactor continue," said Secretary O'Leary. "Keeping the reactor in hot standby is a low cost option that allows the new Secretary and the country maximum flexibility to ensure the tritium needs for the strategic nuclear warhead stockpile are met."

DOE's current dual track tritium production strategy includes pursuing, as alternative tritium sources, either the development of an accelerator or the use of commercial nuclear power plants. Tritium is a gas necessary to maintain reliable, effective nuclear weapons. As part of the commitment to the dual track strategy, DOE will publish on January 28, 1997, a draft Request for Proposals related to the production of tritium using commercial light water reactors. DOE intends to award a contract to one or more electric utility companies by early 1998.

The department in December 1998, is expected to select one of the "dual track" options as the primary, long-term source of tritium, with the second option maintained as a backup. A determination will also be made as to what role, if any, the FFTF could potentially play in the future tritium production system. If the department determines that FFTF could potentially play a role, the department will consult with the public, complete safety and environmental reviews and prepare any appropriate documentation to comply with the National Environmental Policy Act.

NOTE: The draft Request for Proposals will be posted on the Internet at http://www.ch.doe.gov/division/acq/acq-home.htm

R-97-002

FFTF/FMEF Funding

- Tritium mission money will come from NE
  - $1.0 million in FY 1997, $6.0 million in FY 1998
    - Physics analysis
    - Safety and environmental analyses to support future NEPA
    - Medical isotope feasibility review
- Deactivation money will come from EM
  - $11.6 million in FY 1997, $5.7 million in FY 1998
  - Deactivation money will NOT fund restart activities

FFTF/FMEF Funding (continued)

- FFTF/FMEF surveillance and maintenance
  - FY 1997 funds ($31.1 million) proposed for reprogramming from EM to NE
  - FY 1998 funds proposed to be provided by NE
  - FY 1999 budget submission to Congress is to be made by NE

309 Building/NE Legacies Funding

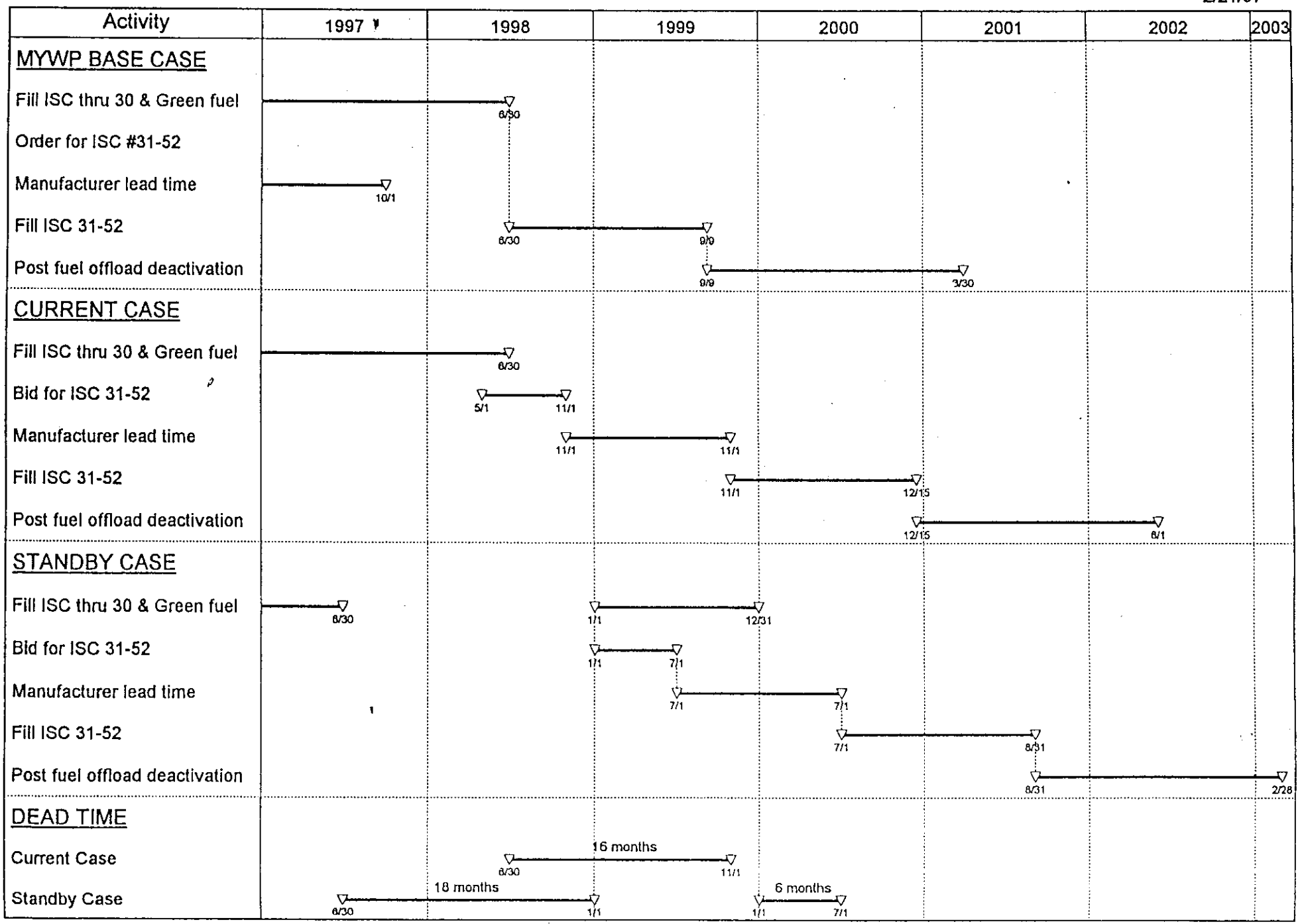
- Funding for 309 Building and NE Legacies is to remain with EM

TPA Milestone Issues

- Shortfalls of $10.3 million in FY 1997 and $3.5 million in FY 1998 coupled with standby decision result in TPA milestone impacts

Projected Defueling Delays

2/21/97



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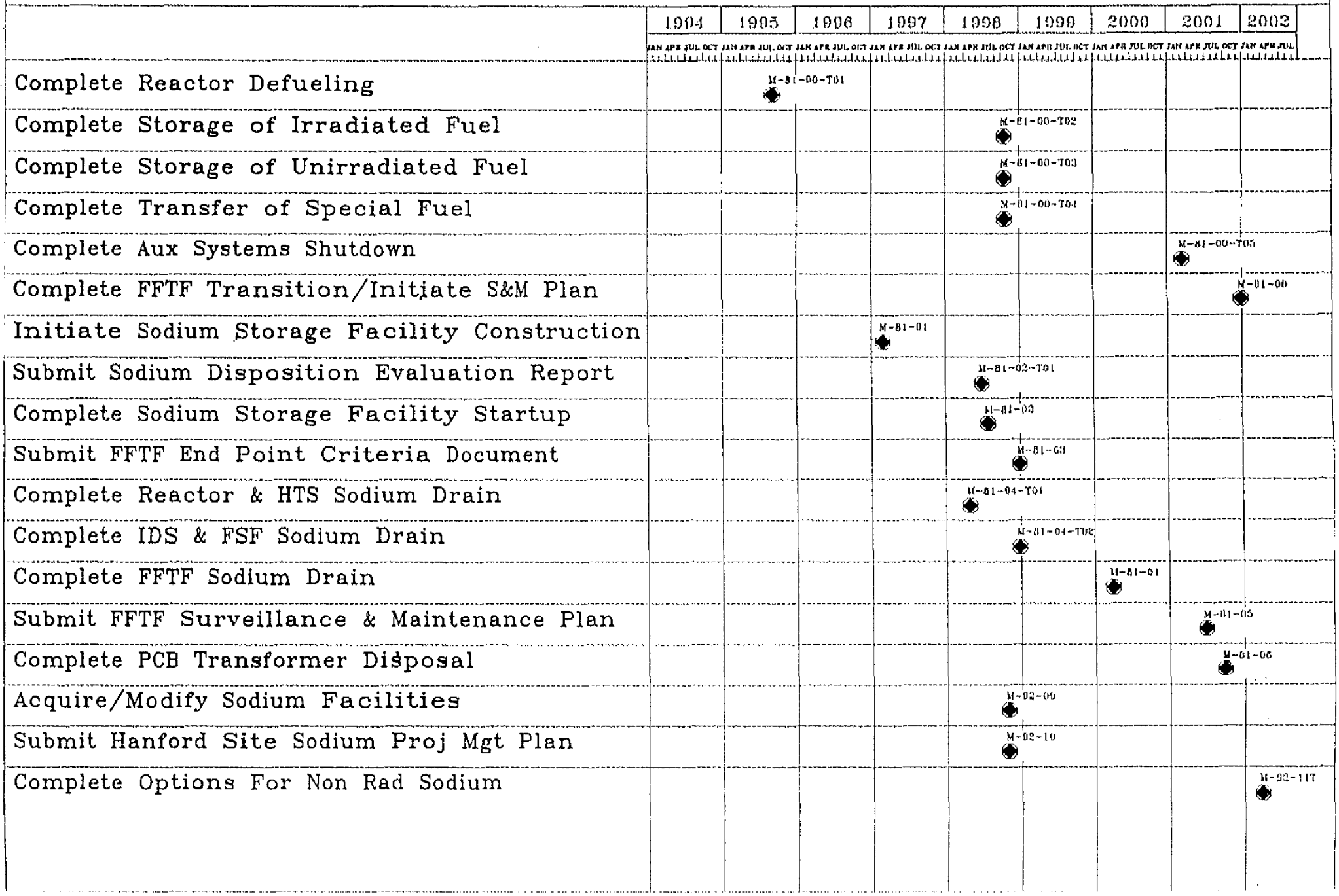
Rev. 0

TPA MILESTONE SCHEDULE
FAST FLUX TEST FACILITY
As of: February 1997

(Black M.S. = Complete)



Recommendations

- Milestones that support deactivation should be deferred until the final decision on FFTF (12/98)
- At that time, milestone dates should be renegegotiated or deleted depending on a restart or shutdown decision
- Commitments that support non-FFTF activities should remain

Plutonium Finishing Plant

TPA Overview

PFP Stabilization, Milestone M-83-00

D. W. Templeton

February 25, 1997

ATTACHMENT 7

Milestone Status

- M-83-00 Complete stabilization of process areas and other PFP cleanout actions resulting from the EIS ROD, within PFP. Date TBD*

  Completion of the process area stabilization activities will establish a safe and environmentally secure configuration for these plant areas. The major radioactive and chemical sources associated with these areas will be removed, reduced and/or stabilized. Completion of stabilization and other cleanout activities will result in reduced risk to plant workers, the public and the environment. This milestone includes completion of the National Environmental Policy Act (NEPA process.

  * The three parties will enter into negotiations within two months following issuance of the EIS Record of Decision to establish milestones for implementing the Record of Decision and will complete negotiations within 6 months thereafter.

Milestone Status

- M-83-01 — Submit draft Environmental Impact Statement — November 1995

  The draft Environmental Impact Statement will be submitted for public review.

  Status: *Completed - November 28, 1995*

- M-83-01-T01 — Issue final Environmental Impact Statement Record of Decision (ROD) — June 1996

  The final Environmental Impact Statement will be completed and all applicable NEPA requirements performed, including issuance of the ROD.

  Status: *Completed - June 25, 1996*

Milestone Status

• M-83-02	Complete identified Interim Actions The currently identified interim actions as listed in the following target activities will be completed. Additional potential interim actions will be evaluated.	December 1998
Status:	*On Schedule*	
• M-83-02-T01	Submit Plan and Schedule for Additional Interim Actions	September 1995
Status:	*Completed - September 29, 1995*	
• M-83-02-T02	Complete Sludge Stabilization	December 1995
Status:	*Completed - June 14, 1995*	
• M-83-02-T03	Complete 10-L Solution Downloading	June 1996
Status:	*Completed - September 19, 1995*	
• M-83-02-T04	Complete 234-5Z Ductwork Cleanout	December 1998
Status:	*Ahead of schedule - expect 1997 completion*	

M-83 Negotiation Status

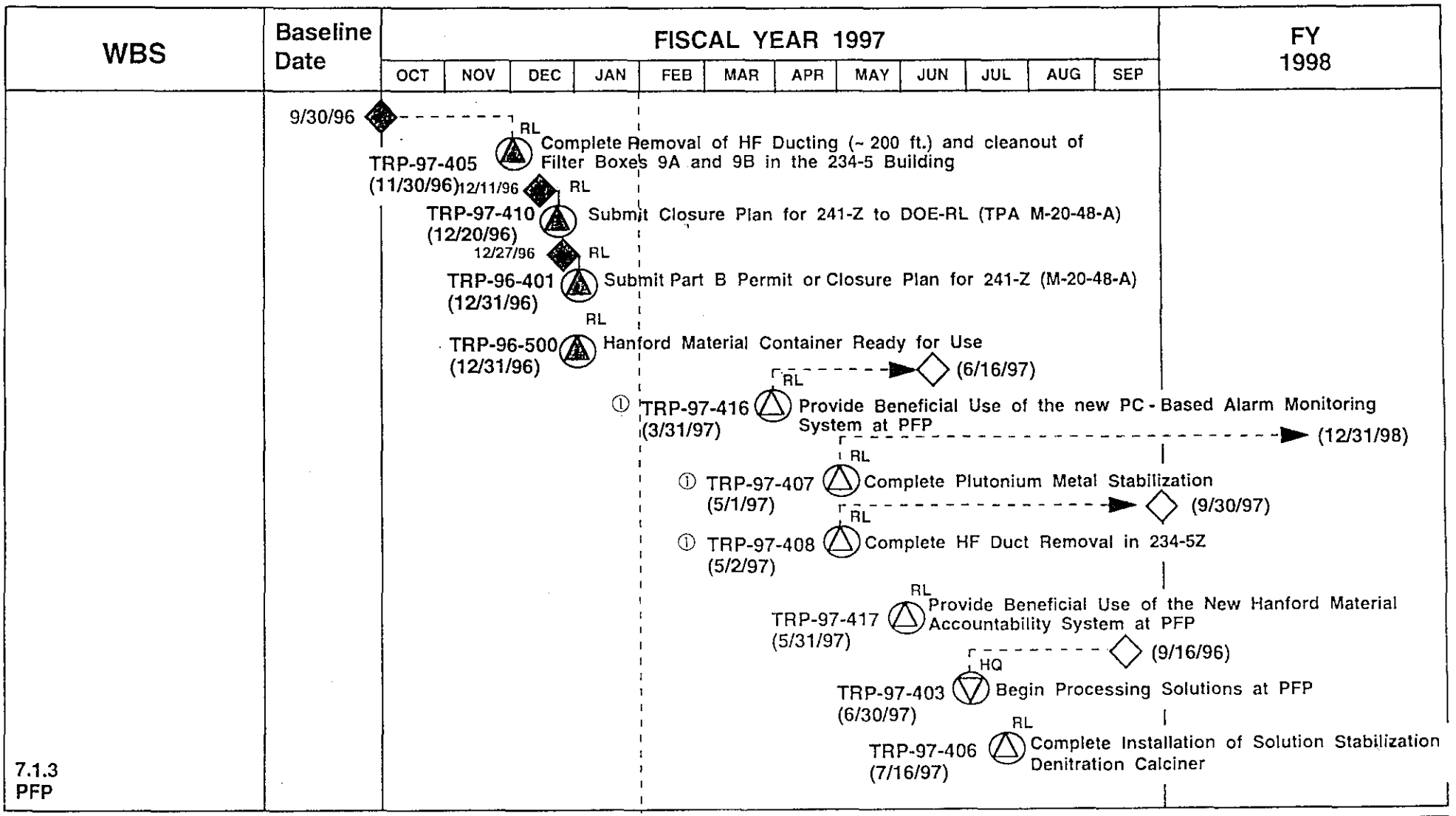
- Initiation of negotiations pending Agreement in Principle
- Schedule for negotiations to be established following signature

PFP Accomplishments

- Issued PFP Stabilization EIS Record Of Decision
- Submitted 241-Z Closure Plan (M-20-48A)
- Completed Duct Segment #2, Duct Segment #3, and Filter Box 9A/9B cleanout/duct removal
- Initiated immobilization of Sand, Slag and Crucible (SS&C) Residues
- Completed 232-Z Incinerator Cleanout
- Performed chemical removal and isolation of caustic tank Tk-D9
- Shipped ~3,200 gallons concentrated nitric acid and ~7,400 gallons aluminum nitrate nonahydrate as excess product

Project Status Report	B&W Hanford Company 7.1.3. - PLUTONIUM FINISHING PLANT	January 1997

MILESTONE SCHEDULE



MILESTONE TYPES:

- T — TPA TARGET
- I — TPA INTERIM
- HQ — DOE-HQ
- FO — DOE-FO
- FORECAST
- RL — DOE-RL

FOOTNOTES:

① *Revised dates per change request TP-97-008.*

Project Status Report	B&W Hanford Company 7.1.3. - PLUTONIUM FINISHING PLANT	January 1997

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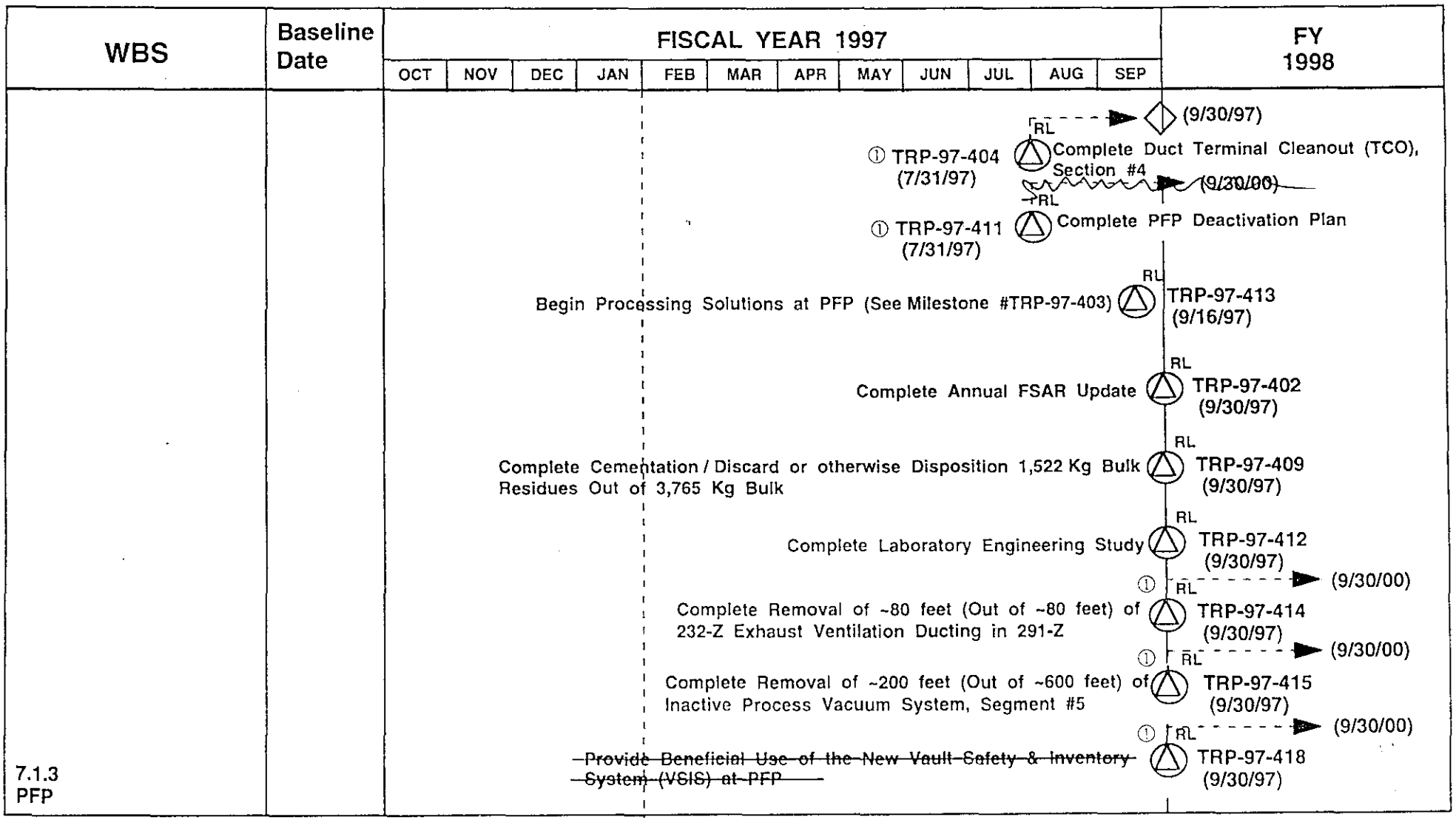

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FOOTNOTES:

① *Revised dates per change request TP-97-008.*

PFP Budget/Cost Status

- FY 1997 PFP evaluating impacts of $10.3M budget reduction
- Primary impacts: delay of Project W-460 Plutonium Stabilization Project
- Expect to meet Defense Board Recommendation 94-1 and TPA commitments

PFP Stabilization TPA Overview

- Issues/Actions
  - Initiating PFP Transition Negotiations
  - Evaluating impacts of complex-wide Fissile Material Disposition EIS
  - PFP recovering from self-imposed fissile material movement restriction